

Appendix A. River corridor severity scores for impaired sites in the Yellow River Basin, Alabama and Florida

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Left Floodplain Access | Pipe Discharge | Water Odors | Bank Erosion | BEHI | Fish Passage Blocked | Total Score |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|------------------------|----------------|-------------|--------------|------|----------------------|-------------|
| ok-1105-001 | 1                 | 1          | 1                  | 0.75         | 0.75        | 0.75                    | 0.25                   | 1.5                | 0                      | 1.5            | 1.5         | 1            | 1.5  | 1.5                  | <b>12.5</b> |
| wa-1007-001 | 1                 | 1.5        | 1.5                | 0.75         | 0.75        | 0.75                    | 0.75                   | 1.5                | 0                      | 0              | 1           | 1            | 1.5  | 1.5                  | <b>12</b>   |
| ok-0423-001 | 1.5               | 1.5        | 1                  | 0            | 0.75        | 0                       | 0.75                   | 1.5                | 0                      | 1.5            | 1.5         | 1            | 0    | 1.5                  | <b>11</b>   |
| wa-1026-001 | 1                 | 1.5        | 1                  | 0.75         | 0.75        | 0.75                    | 0.25                   | 1.5                | 0                      | 0              | 1           | 0.5          | 1.5  | 1.5                  | <b>10.5</b> |
| ok-0928-001 | 0.5               | 1.5        | 0.5                | 0.75         | 0.75        | 0.25                    | 0.25                   | 1.5                | 0                      | 0              | 1           | 1            | 1.5  | 1.5                  | <b>9.5</b>  |
| ok-0928-004 | 1.5               | 1          | 1                  | 0.75         | 0.75        | 0.25                    | 0.25                   | 1.5                | 0                      | 0              | 1           | 1            | 1    | 0                    | <b>9</b>    |
| ok-0225-005 | 0.5               | 1.5        | 0                  | 0.75         | 0           | 0.75                    | 0                      | 1.5                | 0                      | 1.5            | 0.5         | 1            | 0    | 0                    | <b>8</b>    |
| ok-0615-001 | 1                 | 1.5        | 1                  | 0            | 0.75        | 0.25                    | 0                      | 1.5                | 0                      | 0              | 1           | 0.5          | 0    | 0                    | <b>7.5</b>  |
| wa-1105-004 | 0                 | 1          | 1                  | 0.5          | 0.5         | 0                       | 0                      | 1.5                | 1.5                    | 0              | 0           | 0            | 1.5  | 1.5                  | <b>7.5</b>  |
| co-0813-004 | 1.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0.75                   | 0                  | 0                      | 0              | 1.5         | 1.5          | 0    | 0                    | <b>7</b>    |
| ok-0423-003 | 1                 | 1          | 1                  | 0.75         | 0.75        | 0.25                    | 0.25                   | 0                  | 0                      | 0              | 0           | 1            | 1    | 0                    | <b>7</b>    |
| ok-1106-001 | 0.5               | 1.5        | 1                  | 0.75         | 0.75        | 0                       | 0                      | 1.5                | 0                      | 0              | 0           | 1            | 0    | 0                    | <b>7</b>    |
| wa-1007-003 | 0.5               | 1          | 1                  | 0.75         | 0.75        | 0                       | 0                      | 1.5                | 0                      | 0              | 1           | 0.5          | 0    | 0                    | <b>7</b>    |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      | ok-0225-002        | wa-0720-001 | ok-0423-004 | ok-1105-002 | sr-0304-001 | sr-0305-001 | co-0819-002 | wa-1026-002 | ok-0225-001 | ok-0422-007 | wa-1009-002 | co-0807-008 | co-0824-002 | ok-0319-001 | ok-0424-004 |
| ok-0225-002 | 0.5               | 1.5        | 0                  | 0.75         | 0           | 0                       | 0                      | 1.5                | 0           | 1.5            | 0.5          | 0.5  | 0                    | <b>6.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-0720-001 | 1                 | 1.5        | 0.5                | 0            | 0.75        | 0                       | 0                      | 1.5                | 0           | 0              | 0.5          | 1    | 0                    | <b>6.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0423-004 | 1                 | 0          | 0                  | 0.75         | 0.75        | 0.75                    | 0.75                   | 0                  | 0           | 0              | 1.5          | 1    | 0                    | <b>6.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-1105-002 | 1.5               | 0          | 0                  | 0.25         | 0.75        | 0.25                    | 0.75                   | 0                  | 0           | 0              | 1.5          | 1.5  | 0                    | <b>6.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| sr-0304-001 | 0                 | 1.5        | 0                  | 0.75         | 0           | 0                       | 0                      | 1.5                | 0           | 1.5            | 0.5          | 0.5  | 0                    | <b>6.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| sr-0305-001 | 1                 | 1.5        | 0                  | 0.75         | 0           | 0                       | 0                      | 1.5                | 0           | 0              | 1            | 0.5  | 0                    | <b>6.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0819-002 | 0.5               | 1.5        | 0.5                | 0.75         | 0.75        | 0                       | 0                      | 1.5                | 0           | 0              | 0            | 0.5  | 0                    | <b>6</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-1026-002 | 1.5               | 0.5        | 0                  | 0            | 0.75        | 0                       | 0.75                   | 0                  | 0           | 0              | 1.5          | 1    | 0                    | <b>6</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0225-001 | 0.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0                      | 1.5                | 0           | 0              | 1            | 1    | 0                    | <b>5.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0422-007 | 0.5               | 1          | 0                  | 0.5          | 0.75        | 0                       | 0.25                   | 0                  | 0           | 1.5            | 0.5          | 0.5  | 0                    | <b>5.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-1009-002 | 0.5               | 1          | 1                  | 0.25         | 0.25        | 0.25                    | 0.25                   | 1.5                | 0           | 0              | 0.5          | 0    | 0                    | <b>5.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-008 | 1                 | 1          | 0                  | 0            | 0           | 0                       | 0.25                   | 1.5                | 0           | 0              | 1            | 0.5  | 0                    | <b>5.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0824-002 | 0.5               | 1          | 0                  | 0.75         | 0           | 0                       | 0                      | 1.5                | 0           | 0              | 1            | 0.5  | 0                    | <b>5.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0319-001 | 0.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0                      | 1.5                | 0           | 0              | 1            | 0.5  | 0                    | <b>5.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0424-004 | 1                 | 1          | 0                  | 0            | 0           | 0                       | 0.25                   | 1.5                | 0           | 0              | 1            | 0.5  | 0                    | <b>5.25</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      | co-0807-009        | ok-0424-003 | ok-0608-001 | ok-0615-008 | wa-1007-002 | ok-0319-006 | ok-0416-003 | ok-0615-007 | ok-1105-003 | wa-1028-001 | co-0924-002 | co-0924-003 | ok-0615-006 |
| co-0807-009 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 1.5          | 1    | 0                    | <b>5</b>           |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0424-003 | 0.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0.25                   | 0                  | 0           | 0              | 1.5          | 0    | 1                    | 0                  | <b>5</b>    |             |             |             |             |             |             |             |             |             |             |             |
| ok-0608-001 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.75                   | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>5</b>    |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-008 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.75                   | 0                  | 0           | 0              | 0            | 1    | 1.5                  | 0                  | <b>5</b>    |             |             |             |             |             |             |             |             |             |             |             |
| wa-1007-002 | 0.5               | 1.5        | 0.5                | 0.25         | 0.25        | 0                       | 0                      | 1.5                | 0           | 0              | 0            | 0    | 0.5                  | 0                  | <b>5</b>    |             |             |             |             |             |             |             |             |             |             |             |
| ok-0319-006 | 1.5               | 0          | 0                  | 0            | 0.5         | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>4.75</b> |             |             |             |             |             |             |             |             |             |             |             |
| ok-0416-003 | 1.5               | 0          | 0                  | 0            | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>4.75</b> |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-007 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.75</b> |             |             |             |             |             |             |             |             |             |             |             |
| ok-1105-003 | 1                 | 0          | 0                  | 0.25         | 0.75        | 0                       | 0.75                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.75</b> |             |             |             |             |             |             |             |             |             |             |             |
| wa-1028-001 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.75</b> |             |             |             |             |             |             |             |             |             |             |             |
| co-0924-002 | 1                 | 1          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |
| co-0924-003 | 0.5               | 0          | 0.5                | 0.75         | 0           | 0.25                    | 0                      | 1.5                | 0           | 0              | 0            | 0    | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-006 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |
| ok-0616-006 | 1.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |
| ok-0616-008 | 1                 | 0          | 0                  | 0.75         | 0.75        | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0.5          | 1    | 0                    | <b>4.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      | ok-1007-004        | wa-0720-003 | wa-1009-003 | wa-1028-002 | co-0610-001 | ok-0609-012 | ok-0615-004 | ok-0615-014 | sr-1006-001 | ok-0416-001 | ok-0424-002 | ok-0424-006 | ok-0608-007 | ok-0615-010 |
| ok-1007-004 | 0.5               | 1          | 0.5                | 0.25         | 0.25        | 0                       | 0                      | 1.5                | 0           | 0              | 0            | 0.5  | 0                    | <b>4.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-0720-003 | 0.5               | 0.5        | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-1009-003 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 1.5  | 0.5                  | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-1028-002 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0610-001 | 0.5               | 1.5        | 0                  | 0.75         | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>4.25</b> |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0609-012 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 1.5                | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>4.25</b> |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-004 | 1                 | 0          | 0                  | 0            | 0.75        | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4.25</b> |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-014 | 0.5               | 1.5        | 0                  | 0.75         | 0.75        | 0.25                    | 0                      | 0                  | 0           | 0              | 0            | 0.5  | 0                    | 0                  | <b>4.25</b> |             |             |             |             |             |             |             |             |             |             |             |             |
| sr-1006-001 | 0.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0                      | 1.5                | 0           | 0              | 0            | 0    | 0.5                  | 0                  | <b>4.25</b> |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0416-001 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1.5  | 1                    | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0424-002 | 0                 | 1          | 0                  | 0            | 0.75        | 0                       | 0.25                   | 1.5                | 0           | 0              | 0            | 0    | 0.5                  | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0424-006 | 1.5               | 0          | 0                  | 0.75         | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0608-007 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-010 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0            | 0.5  | 1                    | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0616-002 | 1                 | 0          | 0                  | 0            | 0.75        | 0.75                    | 0                      | 0.75               | 0           | 0              | 0            | 0.5  | 1                    | 0                  | <b>4</b>    |             |             |             |             |             |             |             |             |             |             |             |             |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      |                    |
| ok-1022-001 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | <b>4</b>           |
| co-0805-005 | 1                 | 0          | 0                  | 0            | 0.5         | 0                       | 0.25                   | 0                  | 0           | 0              | 1            | 1    | 0                    | <b>3.75</b>        |
| co-0923-003 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 1            | 1    | 0                    | <b>3.75</b>        |
| ok-0319-002 | 0.5               | 1          | 0                  | 0            | 0.75        | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | <b>3.75</b>        |
| ok-0922-003 | 0.5               | 1.5        | 0                  | 0            | 0.25        | 0                       | 0                      | 1.5                | 0           | 0              | 0            | 0    | 0                    | <b>3.75</b>        |
| co-0923-001 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.25                   | 0                  | 0           | 0              | 1            | 0.5  | 0                    | <b>3.5</b>         |
| ok-0225-003 | 1                 | 0.5        | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 1    | 0                    | <b>3.5</b>         |
| ok-0421-003 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.75                   | 0                  | 0           | 0              | 0            | 1    | 0                    | <b>3.5</b>         |
| ok-0615-005 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | <b>3.5</b>         |
| ok-0615-011 | 1                 | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>3.5</b>         |
| wa-0720-002 | 1                 | 0.5        | 0                  | 0.75         | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>3.5</b>         |
| co-0813-003 | 1                 | 0          | 0                  | 0.75         | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | <b>3.25</b>        |
| ok-0423-007 | 1.5               | 0          | 0                  | 0.75         | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | <b>3.25</b>        |
| co-0807-001 | 0.5               | 0          | 0                  | 0            | 0.25        | 0                       | 0.25                   | 0                  | 0           | 0              | 1            | 1    | 0                    | <b>3</b>           |
| ok-0615-003 | 1                 | 0          | 0                  | 0            | 0.75        | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 0                    | <b>3</b>           |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      | ok-0616-001        | ok-0616-007 | ok-0922-001 | ok-0922-002 | wa-0721-001 | co-0807-006 | co-0924-004 | ok-0422-006 | ok-0609-011 | ok-0609-014 | ok-0615-009 | ok-0928-002 | co-0807-003 | co-0813-001 | co-0824-004 |
| ok-0616-001 | 0.5               | 0          | 0                  | 0.75         | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 1    | 0                    | <b>3</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0616-007 | 1                 | 0.5        | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 1    | 0                    | <b>3</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0922-001 | 0.5               | 0.5        | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 1.5            | 0            | 0    | 0.5                  | 0                  | <b>3</b>    |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0922-002 | 0.5               | 0          | 0                  | 0.75         | 0           | 0.75                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>3</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-0721-001 | 0.5               | 1          | 0                  | 0            | 0.25        | 0                       | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>3</b>           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-006 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>2.75</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0924-004 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | <b>2.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0422-006 | 0.5               | 1.5        | 0                  | 0            | 0.75        | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0    | 0                    | <b>2.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0609-011 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>2.75</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0609-014 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>2.75</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0615-009 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>2.75</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0928-002 | 0.5               | 1.5        | 0                  | 0            | 0.25        | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0    | 0.5                  | 0                  | <b>2.75</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-003 | 0.5               | 0          | 0                  | 0            | 0.25        | 0                       | 0.25                   | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>2.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0813-001 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 1                    | 0                  | <b>2.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0824-004 | 0.5               | 0          | 0                  | 0.5          | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0.5                  | 0                  | <b>2.5</b>  |             |             |             |             |             |             |             |             |             |             |             |             |             |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Blocked Passage Fish | <b>Total Score</b> |  |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|--|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      |                    |  |
| ok-0224-001 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.5                |  |
| ok-0319-007 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.5                |  |
| ok-0423-008 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2.5                |  |
| ok-0424-005 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2.5                |  |
| ok-0424-008 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2.5                |  |
| ok-0424-009 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2.5                |  |
| ok-0609-015 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.5                |  |
| ok-0616-004 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | 2.5                |  |
| ok-0616-005 | 0.5               | 0.5        | 0                  | 0            | 0           | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | 2.5                |  |
| co-0805-004 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.25               |  |
| co-0924-001 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.25               |  |
| wa-1026-003 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 1            | 0.5  | 0                    | 2.25               |  |
| wa-1026-004 | 0.5               | 1.5        | 0                  | 0.25         | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0    | 0                    | 2.25               |  |
| co-0609-005 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2                  |  |
| co-0609-007 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | 2                  |  |

|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      | <b>Total Score</b>   |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|
| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked |
| co-0824-005 | 0.5               | 1          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0.5            | 0            | 0    | <b>2</b>             |
| co-0923-002 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    |
| ok-0422-003 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0.5  | 0                    |
| ok-0422-005 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0.5  | 0                    |
| ok-0608-006 | 0.5               | 0          | 0                  | 0            | 0.25        | 0                       | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| ok-0616-003 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| ok-0721-003 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    |
| ok-0721-005 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 1            | 0.5  | 0                    |
| sr-0305-005 | 1                 | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| wa-0721-002 | 0.5               | 0          | 0                  | 0            | 0.25        | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| wa-1009-001 | 0.5               | 0          | 1                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0    | 0                    |
| co-0609-008 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0    | 0                    |
| co-0805-001 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| co-0805-002 | 0.5               | 0          | 0                  | 0            | 0.25        | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |
| co-0805-003 | 0.5               | 0          | 0                  | 0            | 0.25        | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    |

| Site Number | Channel Stability | Local NPSP | Channel Alteration | Right Buffer | Left Buffer | Right Floodplain Access | Left Floodplain Access | Shoring Structures | Water Odors | Pipe Discharge | Bank Erosion | BEHI | Fish Passage Blocked | <b>Total Score</b> |             |             |             |             |             |             |             |             |             |             |             |             |             |
|-------------|-------------------|------------|--------------------|--------------|-------------|-------------------------|------------------------|--------------------|-------------|----------------|--------------|------|----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|             |                   |            |                    |              |             |                         |                        |                    |             |                |              |      |                      | co-0807-002        | co-0807-004 | co-0807-005 | co-0807-007 | ok-0423-006 | ok-0928-003 | wa-0720-004 | co-0609-004 | co-0609-010 | co-0813-002 | co-0824-003 | ok-0224-002 | ok-0422-001 | ok-0424-010 |
| co-0807-002 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-004 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-005 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0807-007 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0.25                   | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0423-006 | 1                 | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0            | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0928-003 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0            | 1    | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| wa-0720-004 | 0.5               | 0          | 0                  | 0            | 0           | 0.25                    | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.75</b>        |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0609-004 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0609-010 | 0.5               | 0.5        | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0    | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0813-002 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| co-0824-003 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0224-002 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0422-001 | 1.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0            | 0    | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0424-010 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |
| ok-0608-003 | 0.5               | 0          | 0                  | 0            | 0           | 0                       | 0                      | 0                  | 0           | 0              | 0.5          | 0.5  | 0                    | <b>1.5</b>         |             |             |             |             |             |             |             |             |             |             |             |             |             |

|             |     |   |     |   |   |   |   |   |   |     |     |   | <b>Total Score</b>      |
|-------------|-----|---|-----|---|---|---|---|---|---|-----|-----|---|-------------------------|
|             |     |   |     |   |   |   |   |   |   |     |     |   | Fish Passage Blocked    |
|             |     |   |     |   |   |   |   |   |   |     |     |   | BEHI                    |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Bank Erosion            |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Pipe Discharge          |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Water Odors             |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Shoring Structures      |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Left Floodplain Access  |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Right Floodplain Access |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Left Buffer             |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Right Buffer            |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Channel Alteration      |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Local NPSP              |
|             |     |   |     |   |   |   |   |   |   |     |     |   | Channel Stability       |
| Site Number |     |   |     |   |   |   |   |   |   |     |     |   |                         |
| ok-0608-005 | 0.5 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 1   | 0 | <b>1.5</b>              |
| sr-0305-004 | 1   | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0   | 0 | <b>1.5</b>              |
| co-0609-002 | 0.5 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0   | 0 | <b>1</b>                |
| co-0819-001 | 0.5 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0   | 0 | <b>1</b>                |
| ok-0609-013 | 0.5 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0   | 0 | <b>1</b>                |
| ok-0721-004 | 0.5 | 0 | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 0.5 | 0 | <b>1</b>                |
| co-0824-001 | 0   | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 0   | 0 | <b>0.5</b>              |

Appendix B. Sediment Risk Index scores for unpaved road crossings in the Yellow River Basin, Alabama and Florida.

| Crossing ID   | Soil K Factor | Potential Erod Mean | Avg Approach Slope | Road Approach Material | DS Channel Morph | US Channel Morph | DS Bank Alteration | Upstream Skew Angle | Crossing fill condition | InletOutlet Condition | Upstream Lt Outlet | Upstream Rt Ditch | Downstream Rt Outlet | Downstream Lt Ditch | Ditches Total | Ditches If Total | <b>SRI Total</b> |                 |                  |   |           |           |           |
|---------------|---------------|---------------------|--------------------|------------------------|------------------|------------------|--------------------|---------------------|-------------------------|-----------------------|--------------------|-------------------|----------------------|---------------------|---------------|------------------|------------------|-----------------|------------------|---|-----------|-----------|-----------|
|               |               |                     |                    |                        |                  |                  |                    |                     |                         |                       |                    |                   |                      |                     |               |                  | Outlet Total     | Outlet If Total | Ditches If Total |   |           |           |           |
| ok-0429-r-014 | 5             | 1                   | 3                  | 3                      | 1                | 1                | 1                  | 1                   | 1                       | 1                     | 1                  | 1                 | 0                    | 0                   | 0             | 0                | 2                | 3               | 0                | 1 | <b>22</b> |           |           |
| wa-0707-r-002 | 5             | 1                   | 1                  | 1                      | 1                | 1                | 5                  | 1                   | 1                       | 3                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 1                | 0 | <b>22</b> |           |           |
| wa-0707-r-005 | 5             | 1                   | 3                  | 1                      | 1                | 1                | 1                  | 1                   | 1                       | 1                     | 1                  | 1                 | 0                    | 0                   | 1             | 1                | 0                | 0               | 4                | 5 | 0         | 1         | <b>22</b> |
| co-1029-r-008 | 5             | 5                   | 3                  | 3                      | 1                | 1                | 1                  | 1                   | 1                       | 1                     | 1                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 1                | 0 | 1         | <b>24</b> |           |
| co-1029-r-010 | 3             | 5                   | 3                  | 1                      | 1                | 5                | 1                  | 1                   | 1                       | 1                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>24</b> |           |
| ok-1005-r-001 | 3             | 1                   | 3                  | 1                      | 3                | 5                | 1                  | 1                   | 1                       | 3                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>24</b> |           |
| wa-0617-r-004 | 5             | 1                   | 3                  | 1                      | 3                | 3                | 1                  | 1                   | 1                       | 1                     | 1                  | 1                 | 0                    | 0                   | 1             | 0                | 0                | 3               | 3                | 0 | 1         | <b>24</b> |           |
| wa-0625-r-002 | 3             | 3                   | 3                  | 1                      | 1                | 5                | 1                  | 3                   | 1                       | 1                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>24</b> |           |
| wa-0706-r-003 | 5             | 1                   | 3                  | 1                      | 1                | 1                | 1                  | 3                   | 1                       | 3                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 1               | 0                | 1 | 1         | <b>24</b> |           |
| cr-1103-r-002 | 3             | 3                   | 3                  | 1                      | 1                | 5                | 1                  | 3                   | 1                       | 3                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>26</b> |           |
| ok-0429-r-010 | 5             | 1                   | 3                  | 3                      | 1                | 3                | 1                  | 3                   | 1                       | 3                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>26</b> |           |
| ok-0429-r-012 | 5             | 1                   | 3                  | 1                      | 1                | 5                | 1                  | 5                   | 1                       | 1                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 0 | 1         | <b>26</b> |           |
| wa-0716-r-009 | 5             | 1                   | 3                  | 1                      | 1                | 1                | 1                  | 5                   | 1                       | 5                     | 0                  | 0                 | 0                    | 0                   | 0             | 0                | 0                | 0               | 0                | 1 | 0         | <b>26</b> |           |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |    |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|----|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |    |
| co-0731-r-008 | 5                | 1             | 3               | 3            | 1                   | 5                   | 1                    | 1                    | 3                 | 0                 | 0                  | 0                  | 1                     | 0                       | 0                   | 1                  | 3                | 0                | 1                  | 28                     |                     |               |    |
| co-0812-r-002 | 5                | 1             | 3               | 5            | 3                   | 1                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 1                | 0                  | 28                     |                     |               |    |
| co-0820-r-003 | 3                | 1             | 3               | 5            | 3                   | 5                   | 1                    | 3                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | 28            |    |
| ok-0429-r-009 | 5                | 3             | 3               | 1            | 3                   | 1                   | 3                    | 1                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | 28            |    |
| ok-0512-r-004 | 5                | 1             | 3               | 1            | 1                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | 28 |
| wa-0625-r-006 | 5                | 3             | 3               | 3            | 1                   | 1                   | 3                    | 1                    | 1                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | 28            |    |
| wa-0706-r-001 | 5                | 5             | 5               | 3            | 1                   | 1                   | 1                    | 1                    | 3                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | 28            |    |
| wa-0714-r-004 | 5                | 5             | 1               | 3            | 5                   | 1                   | 1                    | 3                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | 28            |    |
| co-0810-r-017 | 3                | 5             | 3               | 3            | 3                   | 1                   | 1                    | 3                    | 1                 | 3                 | 1                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | 30            |    |
| co-0812-r-009 | 5                | 5             | 5               | 3            | 1                   | 3                   | 1                    | 1                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | 30            |    |
| co-0831-r-005 | 5                | 1             | 3               | 5            | 3                   | 3                   | 1                    | 1                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 1                | 3                  | 0                      | 1                   | 30            |    |
| co-0901-r-012 | 5                | 1             | 3               | 3            | 5                   | 5                   | 1                    | 1                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | 30 |
| co-1027-r-003 | 5                | 1             | 3               | 1            | 5                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | 30 |
| ok-0429-r-005 | 5                | 5             | 3               | 5            | 1                   | 3                   | 1                    | 1                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | 30 |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| ok-0429-r-008 | 5                | 1             | 3               | 3            | 1                   | 1                   | 1                    | 1                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>30</b> |
| ok-0429-r-016 | 5                | 1             | 3               | 1            | 1                   | 5                   | 1                    | 3                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>30</b> |
| ok-1005-r-004 | 5                | 3             | 3               | 3            | 1                   | 1                   | 1                    | 3                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>30</b> |
| wa-0706-r-002 | 5                | 3             | 3               | 3            | 1                   | 5                   | 1                    | 1                    | 1                 | 3                 | 0                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>30</b> |
| wa-0707-r-006 | 5                | 5             | 3               | 1            | 1                   | 1                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>30</b> |
| wa-0707-r-007 | 5                | 1             | 1               | 1            | 5                   | 3                   | 3                    | 5                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>30</b> |
| co-0812-r-011 | 5                | 3             | 3               | 3            | 3                   | 3                   | 3                    | 1                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>32</b> |
| co-0820-r-002 | 5                | 1             | 3               | 3            | 5                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>32</b> |
| co-0820-r-010 | 5                | 1             | 3               | 5            | 5                   | 5                   | 1                    | 1                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>32</b> |
| co-0831-r-001 | 5                | 1             | 3               | 5            | 3                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>32</b> |
| co-0831-r-004 | 5                | 3             | 3               | 5            | 5                   | 1                   | 1                    | 1                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>32</b> |
| co-0831-r-013 | 3                | 3             | 3               | 3            | 3                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>32</b> |
| co-1027-r-004 | 5                | 3             | 3               | 1            | 1                   | 5                   | 1                    | 5                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>32</b> |
| co-1102-r-002 | 5                | 5             | 3               | 3            | 5                   | 1                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>32</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| ok-0415-r-001 | 3                | 1             | 3               | 1            | 5                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 1                  | 0                     | 0                       | 0                   | 1                  | 1                | 1                | 3                  | 2                      | 3                   | <b>32</b>     |           |
| ok-0512-r-006 | 5                | 1             | 3               | 5            | 3                   | 3                   | 3                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>32</b>     |           |
| wa-0714-r-008 | 5                | 1             | 3               | 5            | 3                   | 1                   | 1                    | 3                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | <b>32</b>     |           |
| wa-0716-r-002 | 3                | 5             | 3               | 3            | 1                   | 5                   | 1                    | 3                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>32</b>     |           |
| wa-0723-r-001 | 3                | 1             | 3               | 5            | 1                   | 5                   | 3                    | 1                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | <b>32</b>     |           |
| wa-0727-r-002 | 5                | 5             | 3               | 3            | 1                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>32</b>     |           |
| wa-0727-r-006 | 5                | 5             | 3               | 1            | 3                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | <b>32</b>     |           |
| co-0731-r-004 | 5                | 1             | 3               | 3            | 3                   | 5                   | 1                    | 3                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | <b>34</b>     |           |
| co-0731-r-011 | 5                | 3             | 3               | 3            | 3                   | 3                   | 1                    | 3                    | 3                 | 3                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | <b>34</b>     |           |
| co-0810-r-015 | 5                | 5             | 5               | 1            | 1                   | 5                   | 1                    | 1                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | <b>34</b>     |           |
| co-0810-r-019 | 3                | 5             | 3               | 3            | 1                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 1                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 2                   | <b>34</b>     |           |
| co-0811-r-004 | 5                | 5             | 3               | 1            | 3                   | 3                   | 1                    | 3                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | <b>34</b>     |           |
| co-0820-r-005 | 3                | 5             | 3               | 5            | 3                   | 3                   | 1                    | 3                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 2                      | 3                   | 0             | <b>34</b> |
| co-0901-r-014 | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 1                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>34</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0904-r-004 | 5                | 5             | 3               | 3            | 1                   | 5                   | 1                    | 1                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>34</b>     |           |
| co-0904-r-005 | 3                | 5             | 3               | 1            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>34</b>     |           |
| co-0904-r-013 | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 1                    | 1                 | 1                 | 1                  | 1                  | 1                     | 0                       | 1                   | 0                  | 1                | 3                | 3                  | 3                      | 3                   | <b>34</b>     |           |
| co-0904-r-014 | 5                | 5             | 3               | 1            | 1                   | 3                   | 1                    | 3                    | 3                 | 5                 | 1                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>34</b>     |           |
| co-1027-r-007 | 5                | 3             | 3               | 3            | 1                   | 5                   | 1                    | 3                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>34</b> |
| cr-1103-r-004 | 3                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>34</b> |
| ok-0407-r-007 | 5                | 1             | 3               | 3            | 1                   | 5                   | 1                    | 1                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>34</b> |
| ok-0512-r-002 | 5                | 1             | 3               | 1            | 3                   | 3                   | 3                    | 5                    | 1                 | 5                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>34</b> |
| ok-0512-r-003 | 5                | 1             | 3               | 1            | 1                   | 1                   | 1                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>34</b>     |           |
| ok-0526-r-007 | 5                | 3             | 3               | 5            | 1                   | 3                   | 1                    | 3                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>34</b> |
| sr-0414-r-001 | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>34</b> |
| wa-0626-r-005 | 5                | 5             | 3               | 1            | 1                   | 5                   | 1                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>34</b> |
| wa-0707-r-003 | 5                | 1             | 1               | 1            | 1                   | 3                   | 5                    | 3                    | 1                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 1                | 0                | 4                  | 5                      | 2                   | 3             | <b>34</b> |
| wa-0714-r-009 | 5                | 1             | 3               | 5            | 3                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>34</b> |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| wa-0716-r-003b | 5                | 5             | 3               | 3            | 3                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>34</b>     |           |
| wa-0716-r-006  | 5                | 5             | 3               | 3            | 5                   | 1                   | 1                    | 5                    | 1                 | 1                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>34</b> |
| wa-0716-r-010  | 5                | 5             | 3               | 1            | 3                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 1                | 1                | 0                  | 1                      | 2                   | 3             | <b>34</b> |
| wa-0727-r-003  | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 5                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>34</b> |
| wa-0727-r-004a | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 1                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>34</b> |
| wa-0727-r-004b | 5                | 5             | 3               | 3            | 3                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>34</b> |
| co-0729-r-001  | 5                | 1             | 3               | 3            | 3                   | 5                   | 3                    | 3                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>36</b> |
| co-0731-r-006  | 5                | 1             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>36</b> |
| co-0810-r-005  | 5                | 5             | 3               | 5            | 3                   | 3                   | 3                    | 1                    | 1                 | 1                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 1                   | 3             | <b>36</b> |
| co-0810-r-016  | 5                | 3             | 5               | 3            | 1                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 1                | 1                | 2                  | 3                      | 2                   | 3             | <b>36</b> |
| co-0831-r-003  | 5                | 5             | 3               | 5            | 3                   | 3                   | 3                    | 1                    | 3                 | 0                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>36</b> |
| co-0901-r-018  | 5                | 1             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>36</b> |
| co-0904-r-015  | 3                | 5             | 3               | 3            | 1                   | 5                   | 1                    | 1                    | 3                 | 3                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 0                  | 0                      | 4                   | 5             | <b>36</b> |
| Co-0907-r-001  | 5                | 1             | 3               | 3            | 3                   | 3                   | 1                    | 5                    | 5                 | 3                 | 0                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>36</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |
| co-0907-r-002 | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>36</b>     |
| co-1027-r-005 | 5                | 1             | 3               | 3            | 5                   | 1                   | 1                    | 5                    | 3                 | 3                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 1                | 1                | 3                  | 2                      | 3                   | <b>36</b>     |
| co-1102-r-014 | 5                | 5             | 3               | 3            | 1                   | 5                   | 1                    | 3                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>36</b>     |
| co-1103-r-007 | 3                | 5             | 3               | 3            | 1                   | 1                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | <b>36</b>     |
| co-1104-r-003 | 3                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>36</b>     |
| cr-1102-r-011 | 5                | 1             | 3               | 1            | 3                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 3                   | <b>36</b>     |
| cr-1103-r-005 | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 1                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>36</b>     |
| ok-0318-r-001 | 5                | 1             | 3               | 1            | 5                   | 3                   | 3                    | 5                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | <b>36</b>     |
| ok-0429-r-002 | 3                | 5             | 3               | 3            | 3                   | 3                   | 1                    | 3                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | <b>36</b>     |
| ok-0528-r-002 | 5                | 3             | 3               | 1            | 3                   | 3                   | 1                    | 5                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | <b>36</b>     |
| ok-0528-r-008 | 5                | 1             | 3               | 3            | 3                   | 3                   | 3                    | 1                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | <b>36</b>     |
| wa-0617-r-005 | 5                | 1             | 3               | 1            | 5                   | 3                   | 3                    | 3                    | 1                 | 5                 | 0                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 1                   | <b>36</b>     |
| wa-0625-r-003 | 5                | 1             | 3               | 1            | 5                   | 3                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | <b>36</b>     |
| wa-0716-r-004 | 5                | 5             | 3               | 5            | 5                   | 3                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>36</b>     |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| wa-0716-r-011  | 5                | 5             | 3               | 1            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>36</b>     |           |
| wa-1005-r-005  | 3                | 3             | 3               | 1            | 1                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>36</b> |
| co-0729-r-005  | 5                | 3             | 3               | 3            | 5                   | 3                   | 3                    | 3                    | 5                 | 1                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>38</b> |
| co-0810-r-001  | 5                | 1             | 1               | 5            | 5                   | 5                   | 1                    | 3                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>38</b> |
| co-0810-r-006  | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 3                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 1                | 0                | 0                  | 1                      | 1                   | 3             | <b>38</b> |
| co-0810-r-014a | 5                | 1             | 3               | 5            | 3                   | 3                   | 1                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>38</b> |
| co-0810-r-014b | 5                | 1             | 3               | 5            | 5                   | 5                   | 1                    | 1                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>38</b> |
| co-0812-r-013b | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>38</b> |
| co-0820-r-006  | 5                | 5             | 3               | 5            | 5                   | 3                   | 1                    | 3                    | 1                 | 3                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>38</b> |
| co-0820-r-007  | 5                | 1             | 3               | 5            | 3                   | 5                   | 3                    | 3                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>38</b> |
| co-0831-r-010  | 5                | 3             | 3               | 3            | 5                   | 5                   | 3                    | 3                    | 1                 | 3                 | 0                  | 0                  | 1                     | 1                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 2                   | 3             | <b>38</b> |
| co-0904-r-003  | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 3                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>38</b> |
| co-0907-r-005  | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 5                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>38</b> |
| co-1103-r-009  | 3                | 5             | 3               | 5            | 3                   | 3                   | 1                    | 3                    | 1                 | 5                 | 0                  | 1                  | 0                     | 1                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 1                   | 3             | <b>38</b> |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |
| co-1104-r-004  | 5                | 5             | 3               | 5            | 3                   | 3                   | 3                    | 5                    | 3                 | 1                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>38</b>     |
| cr-1103-r-003  | 3                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 3                    | 1                 | 3                 | 0                  | 1                  | 1                     | 0                       | 0                   | 1                  | 0                | 1                | 2                  | 3                      | 2                   | <b>38</b>     |
| ok-0429-r-001  | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 3                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | <b>38</b>     |
| ok-0526-r-005  | 5                | 3             | 3               | 5            | 3                   | 5                   | 1                    | 1                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 1                | 0                | 3                  | 3                      | 1                   | <b>38</b>     |
| ok-0528-r-006  | 5                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>38</b>     |
| ok-1005-r-002  | 5                | 1             | 3               | 3            | 1                   | 5                   | 1                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | <b>38</b>     |
| wa-0617-r-003  | 5                | 5             | 5               | 3            | 1                   | 1                   | 1                    | 3                    | 3                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 0                  | 1                | 0                | 2                  | 3                      | 1                   | <b>38</b>     |
| wa-0714-r-007  | 5                | 1             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | <b>38</b>     |
| wa-0716-r-001  | 5                | 5             | 5               | 1            | 3                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 1                  | 1                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 1                   | <b>38</b>     |
| wa-0716-r-003a | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>38</b>     |
| wa-0716-r-005  | 5                | 5             | 3               | 5            | 3                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | <b>38</b>     |
| wa-0722-r-008  | 5                | 1             | 3               | 3            | 3                   | 3                   | 3                    | 3                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | <b>38</b>     |
| wa-0723-r-002  | 3                | 1             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>38</b>     |
| cf-1103-r-008  | 3                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | <b>40</b>     |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0731-r-001  | 5                | 1             | 3               | 5            | 3                   | 3                   | 3                    | 5                    | 5                 | 3                 | 0                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0810-r-002  | 5                | 5             | 1               | 5            | 5                   | 5                   | 1                    | 3                    | 1                 | 3                 | 1                  | 0                  | 0                     | 0                       | 1                   | 0                  | 1                | 0                | 2                  | 3                      | 1                   | 3             | <b>40</b> |
| co-0810-r-009  | 5                | 5             | 3               | 3            | 3                   | 3                   | 1                    | 3                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |
| co-0810-r-011  | 5                | 5             | 3               | 5            | 3                   | 3                   | 1                    | 3                    | 1                 | 3                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>40</b> |
| co-0810-r-018  | 5                | 5             | 3               | 5            | 5                   | 3                   | 1                    | 3                    | 1                 | 3                 | 0                  | 1                  | 1                     | 0                       | 1                   | 0                  | 1                | 1                | 2                  | 3                      | 3                   | 3             | <b>40</b> |
| co-0810-r-021  | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0812-r-001  | 5                | 1             | 3               | 5            | 1                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0812-r-013a | 5                | 1             | 3               | 5            | 3                   | 3                   | 5                    | 5                    | 1                 | 5                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0820-r-004  | 5                | 3             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0820-r-008  | 5                | 5             | 3               | 5            | 5                   | 3                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0831-r-008  | 5                | 5             | 5               | 5            | 3                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| co-0901-r-013  | 5                | 5             | 1               | 3            | 3                   | 5                   | 5                    | 1                    | 3                 | 3                 | 0                  | 1                  | 0                     | 1                       | 1                   | 1                  | 1                | 1                | 3                  | 3                      | 3                   | 3             | <b>40</b> |
| co-0904-r-010  | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 0                   | 1             | <b>40</b> |
| co-0904-r-012  | 5                | 5             | 3               | 1            | 5                   | 5                   | 1                    | 5                    | 3                 | 3                 | 1                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |           |
| co-0907-r-004 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |           |
| co-1027-r-006 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |           |
| co-1027-r-008 | 5                | 1             | 3               | 1            | 3                   | 5                   | 1                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 1                | 0                | 4                  | 5                      | 2                   | 3             | <b>40</b> |           |
| co-1029-r-006 | 5                | 5             | 3               | 3            | 3                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 1                | 0                | 1                  | 3                      | 1                   | 3             | <b>40</b> |           |
| co-1103-r-010 | 5                | 3             | 3               | 3            | 3                   | 3                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |           |
| co-1103-r-011 | 3                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |           |
| ok-0407-r-006 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 3                    | 5                 | 5                 | 1                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |           |
| ok-0407-r-008 | 5                | 1             | 3               | 1            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 3                   | 0             | 1         | <b>40</b> |
| ok-0429-r-003 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 1                 | 1                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>40</b> |           |
| ok-0429-r-004 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 1                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>40</b> |           |
| ok-0429-r-007 | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 3                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |           |
| ok-0429-r-015 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>40</b> |           |
| ok-0512-r-005 | 5                | 1             | 3               | 1            | 5                   | 5                   | 5                    | 3                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>40</b> |           |
| ok-0526-r-002 | 5                | 5             | 5               | 1            | 1                   | 3                   | 1                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 1                | 1                | 0                  | 4                      | 5                   | 1             | 3         | <b>40</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| ok-0526-r-006 | 5                | 5             | 3               | 5            | 3                   | 5                   | 3                    | 1                    | 1                 | 5                 | 1                  | 0                  | 0                     | 1                       | 0                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>40</b>     |           |
| ok-0526-r-011 | 5                | 3             | 3               | 3            | 5                   | 5                   | 5                    | 3                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>40</b>     |           |
| ok-0617-r-007 | 5                | 1             | 3               | 5            | 3                   | 3                   | 1                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |
| sr-0401-r-001 | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| sr-0414-r-005 | 5                | 1             | 3               | 5            | 1                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>40</b> |
| wa-0626-r-004 | 3                | 3             | 3               | 3            | 3                   | 3                   | 5                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>40</b> |
| wa-0707-r-004 | 5                | 5             | 1               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>40</b> |
| wa-0714-r-002 | 3                | 1             | 3               | 1            | 5                   | 5                   | 5                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>40</b> |
| wa-0714-r-006 | 5                | 3             | 3               | 3            | 5                   | 3                   | 1                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |
| wa-0714-r-010 | 5                | 1             | 3               | 1            | 3                   | 3                   | 5                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |
| wa-0716-r-007 | 5                | 3             | 3               | 5            | 5                   | 3                   | 1                    | 5                    | 3                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>40</b> |
| wa-0716-r-008 | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 3                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>40</b> |
| wa-0722-r-003 | 3                | 3             | 5               | 3            | 1                   | 3                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>40</b> |
| wa-0727-r-001 | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | 1             | <b>40</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |           |
| wa-0727-r-005 | 5                | 3             | 1               | 3            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>40</b>     |           |           |
| co-0729-r-004 | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>42</b> |           |
| co-0729-r-006 | 5                | 3             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 0                  | 1                     | 0                       | 1                   | 0                  | 1                | 0                | 2                  | 3                      | 2                   | 3             | <b>42</b> |           |
| co-0729-r-007 | 5                | 1             | 3               | 3            | 3                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 0                  | 1                     | 0                       | 1                   | 1                  | 1                | 1                | 3                  | 3                      | 3                   | 3             | <b>42</b> |           |
| co-0731-r-005 | 5                | 1             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| co-0731-r-010 | 5                | 1             | 3               | 3            | 3                   | 5                   | 3                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 2                   | 3             | <b>42</b> |           |
| co-0810-r-003 | 5                | 5             | 1               | 5            | 5                   | 5                   | 1                    | 3                    | 1                 | 5                 | 1                  | 0                  | 1                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 1                   | 3             | <b>42</b> |           |
| co-0810-r-008 | 5                | 5             | 3               | 3            | 3                   | 3                   | 3                    | 3                    | 1                 | 5                 | 5                  | 1                  | 1                     | 0                       | 0                   | 1                  | 1                | 0                | 0                  | 4                      | 5                   | 0             | 1         | <b>42</b> |
| co-0810-r-012 | 5                | 5             | 3               | 3            | 3                   | 3                   | 3                    | 3                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| co-0811-r-005 | 5                | 5             | 3               | 5            | 5                   | 1                   | 1                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>42</b> |           |
| co-0812-r-005 | 5                | 1             | 3               | 5            | 5                   | 5                   | 1                    | 3                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| co-0812-r-012 | 5                | 1             | 3               | 3            | 5                   | 3                   | 5                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>42</b> |           |
| co-0820-r-001 | 5                | 1             | 3               | 5            | 3                   | 3                   | 5                    | 5                    | 5                 | 0                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 1                      | 1                   | 3             | <b>42</b> |           |
| co-0831-r-007 | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 1                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0831-r-011 | 5                | 3             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 1                  | 0                  | 0                     | 1                       | 0                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>42</b>     |           |
| co-0831-r-015 | 5                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 3                 | 1                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |
| CO-0901-R-001 | 5                | 1             | 1               | 5            | 5                   | 5                   | 3                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>42</b>     |           |
| co-0901-r-002 | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 3                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 1                      | 0                   | <b>42</b>     |           |
| co-0901-r-004 | 5                | 5             | 5               | 3            | 5                   | 5                   | 1                    | 3                    | 1                 | 3                 | 0                  | 1                  | 0                     | 1                       | 1                   | 1                  | 1                | 3                | 3                  | 3                      | 3                   | <b>42</b>     |           |
| co-0901-r-010 | 5                | 5             | 5               | 1            | 5                   | 3                   | 3                    | 3                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |
| co-0904-r-007 | 5                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 3                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| co-0904-r-008 | 5                | 5             | 3               | 3            | 1                   | 5                   | 5                    | 1                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| co-0904-r-018 | 5                | 5             | 3               | 1            | 5                   | 5                   | 3                    | 3                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>42</b> |
| co-0907-r-003 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| co-1027-r-001 | 5                | 5             | 5               | 1            | 3                   | 1                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| co-1027-r-002 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| co-1029-r-003 | 5                | 5             | 5               | 3            | 1                   | 1                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |
| co-1029-r-009 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 1                | 0                  | 1                      | 1                   | 3             | <b>42</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |           |
| co-1102-r-006 | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 2                  | 3                | 1                | 3                  | <b>42</b>              |                     |               |           |           |
| cr-1102-r-012 | 5                | 3             | 3               | 1            | 3                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 1                  | 1                     | 1                       | 0                   | 1                  | 3                | 3                | 3                  | <b>42</b>              |                     |               |           |           |
| ok-0318-r-002 | 5                | 1             | 3               | 5            | 1                   | 5                   | 3                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| ok-0318-r-003 | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 3                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 1                | 1                | 2                  | 3                      | 2                   | 3             | <b>42</b> |           |
| ok-0409-r-001 | 5                | 3             | 5               | 1            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>42</b> |           |
| ok-0429-r-006 | 5                | 5             | 3               | 5            | 1                   | 5                   | 1                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 1                | 0                | 0                  | 4                      | 5                   | 0             | 1         | <b>42</b> |
| ok-0526-r-008 | 5                | 5             | 1               | 5            | 1                   | 5                   | 3                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 1                | 0                | 2                  | 3                      | 1                   | 3             | <b>42</b> |           |
| ok-0617-r-002 | 5                | 1             | 3               | 3            | 3                   | 5                   | 3                    | 3                    | 3                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>42</b> |           |
| ok-0617-r-006 | 5                | 1             | 3               | 5            | 3                   | 3                   | 3                    | 1                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 1                | 4                  | 5                      | 1                   | 3             | <b>42</b> |           |
| wa-0626-r-001 | 5                | 5             | 3               | 5            | 1                   | 3                   | 1                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| wa-0626-r-003 | 3                | 3             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| wa-0706-r-004 | 5                | 5             | 3               | 3            | 1                   | 3                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>42</b> |           |
| wa-0707-r-001 | 5                | 5             | 1               | 1            | 3                   | 3                   | 5                    | 3                    | 5                 | 3                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 3                   | 3             | <b>42</b> |           |
| wa-0710-r-005 | 5                | 5             | 5               | 1            | 3                   | 3                   | 3                    | 5                    | 1                 | 5                 | 0                  | 0                  | 1                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 1                   | 3             | <b>42</b> |           |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| wa-0714-r-001 | 3                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>42</b> |
| wa-0722-r-004 | 5                | 5             | 1               | 5            | 3                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>42</b> |
| wa-0722-r-006 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>42</b> |
| co-0729-r-003 | 5                | 5             | 3               | 5            | 3                   | 5                   | 3                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>44</b> |
| co-0731-r-002 | 5                | 1             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>44</b> |
| co-0731-r-003 | 5                | 1             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>44</b> |
| co-0731-r-007 | 5                | 1             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |
| co-0810-r-013 | 5                | 3             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 0                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>44</b> |
| co-0810-r-020 | 5                | 5             | 3               | 5            | 3                   | 5                   | 5                    | 3                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>44</b> |
| co-0811-r-003 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 1                     | 1                       | 1                   | 0                  | 0                | 1                | 1                  | 3                      | 3                   | 3             | <b>44</b> |
| co-0831-r-002 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |
| co-0901-r-008 | 5                | 5             | 1               | 3            | 1                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>44</b> |
| co-0901-r-009 | 3                | 5             | 5               | 5            | 1                   | 5                   | 3                    | 5                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |
| co-0901-r-011 | 5                | 5             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 3                 | 3                 | 0                  | 0                  | 1                     | 0                       | 0                   | 0                  | 1                | 1                | 0                  | 1                      | 3                   | 3             | <b>44</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0901-r-015 | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>44</b>     |           |
| co-0904-r-001 | 5                | 5             | 3               | 1            | 3                   | 3                   | 5                    | 3                    | 5                 | 0                 | 0                  | 0                  | 1                     | 1                       | 1                   | 1                  | 2                | 3                | 3                  | 3                      | 3                   | <b>44</b>     |           |
| co-0904-r-002 | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 1                    | 3                 | 3                 | 1                  | 1                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 1                      | 3                   | <b>44</b>     |           |
| co-0904-r-016 | 5                | 5             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 3                 | 1                 | 1                  | 1                  | 1                     | 0                       | 0                   | 0                  | 0                | 2                | 3                  | 2                      | 3                   | <b>44</b>     |           |
| co-0904-r-017 | 5                | 5             | 3               | 1            | 5                   | 5                   | 1                    | 1                    | 5                 | 5                 | 1                  | 0                  | 1                     | 1                       | 1                   | 1                  | 1                | 3                | 3                  | 4                      | 5                   | <b>44</b>     |           |
| co-1027-r-009 | 5                | 3             | 5               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 3                 | 0                  | 1                  | 0                     | 0                       | 0                   | 1                  | 1                | 1                | 3                  | 2                      | 3                   | <b>44</b>     |           |
| co-1027-r-010 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>44</b>     |           |
| co-1029-r-002 | 5                | 5             | 5               | 1            | 5                   | 5                   | 1                    | 3                    | 5                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>44</b> |
| co-1029-r-007 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>44</b> |
| co-1102-r-005 | 3                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>44</b>     |           |
| co-1102-r-009 | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 2                | 3                  | 0                      | 1                   | <b>44</b>     |           |
| co-1103-r-017 | 5                | 1             | 3               | 1            | 3                   | 5                   | 5                    | 5                    | 5                 | 1                 | 1                  | 1                  | 1                     | 0                       | 0                   | 0                  | 0                | 2                | 3                  | 2                      | 3                   | <b>44</b>     |           |
| co-1103-r-018 | 3                | 1             | 5               | 1            | 5                   | 5                   | 5                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 0                   | 0                  | 0                | 3                | 3                  | 0                      | 1                   | <b>44</b>     |           |
| cr-1103-r-006 | 3                | 3             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>44</b>     |           |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |           |
| ok-0407-r-002 | 5                | 5             | 5               | 1            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 0                      | 1                   | <b>44</b>     |           |           |
| ok-0407-r-003 | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>44</b> |           |
| ok-0407-r-004 | 5                | 3             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 3                 | 3                 | 1                  | 1                  | 1                     | 0                       | 0                   | 1                  | 1                | 0                | 0                  | 4                      | 5                   | 0             | 1         | <b>44</b> |
| ok-0512-r-007 | 3                | 5             | 5               | 1            | 5                   | 3                   | 3                    | 1                    | 3                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>44</b> |           |
| ok-0526-r-003 | 3                | 3             | 3               | 1            | 5                   | 5                   | 5                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 1                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 2                   | 3             | <b>44</b> |           |
| ok-0526-r-009 | 5                | 5             | 1               | 3            | 1                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>44</b> |           |
| ok-0528-r-001 | 5                | 1             | 3               | 1            | 5                   | 3                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 0                   | 1                  | 1                | 1                | 3                  | 3                      | 4                   | 5             | <b>44</b> |           |
| ok-0528-r-004 | 5                | 1             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 1                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>44</b> |           |
| ok-0528-r-005 | 5                | 3             | 3               | 5            | 3                   | 5                   | 1                    | 1                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 0                  | 0                | 0                | 4                  | 5                      | 2                   | 3             | <b>44</b> |           |
| ok-0528-r-007 | 5                | 1             | 3               | 3            | 3                   | 3                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 0                | 1                | 4                  | 5                      | 2                   | 3             | <b>44</b> |           |
| ok-0710-r-003 | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 0                 | 0                  | 0                  | 0                     | 1                       | 0                   | 0                  | 0                | 1                | 3                  | 0                      | 1                   | 1             | <b>44</b> |           |
| ok-0710-r-004 | 5                | 3             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>44</b> |           |
| ok-1005-r-003 | 5                | 1             | 3               | 1            | 5                   | 5                   | 5                    | 5                    | 3                 | 1                 | 1                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |           |
| sr-0407-r-009 | 5                | 3             | 3               | 3            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>44</b> |           |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |           |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|-----------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |           |
| sr-0414-r-004  | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 1                | 3                  | 0                      | 1                   | <b>44</b>     |           |           |
| wa-0625-r-005a | 5                | 5             | 5               | 1            | 3                   | 3                   | 5                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 1                | 3                | 3                  | 3                      | 3                   | <b>44</b>     |           |           |
| wa-0626-r-002  | 3                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |           |
| wa-0626-r-007  | 3                | 5             | 5               | 3            | 1                   | 5                   | 1                    | 3                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 2                      | 3                   | <b>44</b>     |           |           |
| wa-0714-r-005  | 5                | 5             | 5               | 3            | 3                   | 3                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>44</b> |           |
| wa-0722-r-009  | 5                | 5             | 5               | 5            | 1                   | 3                   | 1                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |           |
| wa-0723-r-003  | 3                | 5             | 5               | 5            | 3                   | 3                   | 3                    | 5                    | 5                 | 1                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>44</b> |           |
| co-0731-r-009  | 5                | 5             | 1               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 2                      | 3                   | <b>46</b>     |           |           |
| co-0731-r-012  | 5                | 5             | 3               | 1            | 3                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>46</b> |           |
| co-0810-r-004  | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 1                | 0                | 0                  | 3                      | 3                   | 0             | 1         | <b>46</b> |
| co-0812-r-004  | 5                | 3             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 5                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>46</b> |           |
| co-0812-r-010  | 5                | 5             | 5               | 3            | 5                   | 5                   | 3                    | 3                    | 5                 | 1                 | 1                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 3                  | 3                      | 0                   | 1             | <b>46</b> |           |
| co-0820-r-009  | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 1                 | 3                 | 1                  | 1                  | 1                     | 0                       | 0                   | 1                  | 1                | 2                | 3                  | 4                      | 5                   | 0             | 1         | <b>46</b> |
| co-0831-r-006  | 5                | 1             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |           |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0831-r-009 | 5                | 3             | 5               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |
| co-0901-r-003 | 3                | 5             | 5               | 3            | 5                   | 5                   | 5                    | 3                    | 1                 | 3                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>46</b> |
| co-0901-r-006 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 3                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>46</b> |
| co-0901-r-016 | 5                | 1             | 3               | 5            | 5                   | 5                   | 3                    | 1                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 2                   | 3             | <b>46</b> |
| co-0904-r-006 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>46</b> |
| co-0904-r-011 | 5                | 5             | 3               | 3            | 5                   | 5                   | 5                    | 3                    | 1                 | 5                 | 1                  | 1                  | 0                     | 1                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 1                   | 3             | <b>46</b> |
| co-1102-r-003 | 5                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>46</b> |
| co-1102-r-004 | 3                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 0                  | 1                  | 1                     | 1                       | 1                   | 1                  | 0                | 0                | 3                  | 3                      | 2                   | 3             | <b>46</b> |
| co-1102-r-015 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 0                  | 0                  | 0                     | 0                       | 0                   | 1                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>46</b> |
| co-1103-r-013 | 3                | 3             | 3               | 1            | 5                   | 5                   | 5                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>46</b>     |           |
| co-1103-r-014 | 5                | 3             | 3               | 3            | 3                   | 3                   | 5                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |
| co-1104-r-002 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>46</b> |
| ok-0223-r-005 | 5                | 5             | 1               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 1                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>46</b> |
| ok-0318-r-004 | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 0                  | 0                      | 1                   | 0             | <b>46</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| ok-0409-r-002 | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 3                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 0                   | 0                  | 3                | 3                | 0                  | 1                      | <b>46</b>           |               |           |
| ok-0617-r-001 | 5                | 3             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 0                 | 1                 | 0                  | 0                  | 1                     | 1                       | 0                   | 1                  | 3                | 3                | 1                  | 3                      | <b>46</b>           |               |           |
| sr-0407-r-010 | 5                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>46</b>     |           |
| sr-0414-r-002 | 5                | 1             | 3               | 3            | 5                   | 5                   | 5                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |
| wa-0625-r-004 | 5                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |
| wa-0626-r-006 | 5                | 5             | 3               | 5            | 5                   | 1                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 0                | 4                | 5                  | 2                      | 3                   | <b>46</b>     |           |
| wa-0714-r-011 | 3                | 3             | 3               | 3            | 5                   | 3                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>46</b> |
| wa-0722-r-001 | 5                | 5             | 3               | 1            | 3                   | 5                   | 5                    | 3                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>46</b>     |           |
| wa-1005-r-006 | 5                | 5             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>46</b> |
| co-0810-r-007 | 5                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>48</b> |
| co-0810-r-010 | 5                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| co-0811-r-002 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| co-0812-r-007 | 5                | 5             | 3               | 5            | 3                   | 1                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 3                   | 3             | <b>48</b> |
| co-0812-r-008 | 5                | 5             | 3               | 5            | 3                   | 3                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 1                | 4                  | 5                      | 2                   | 3             | <b>48</b> |

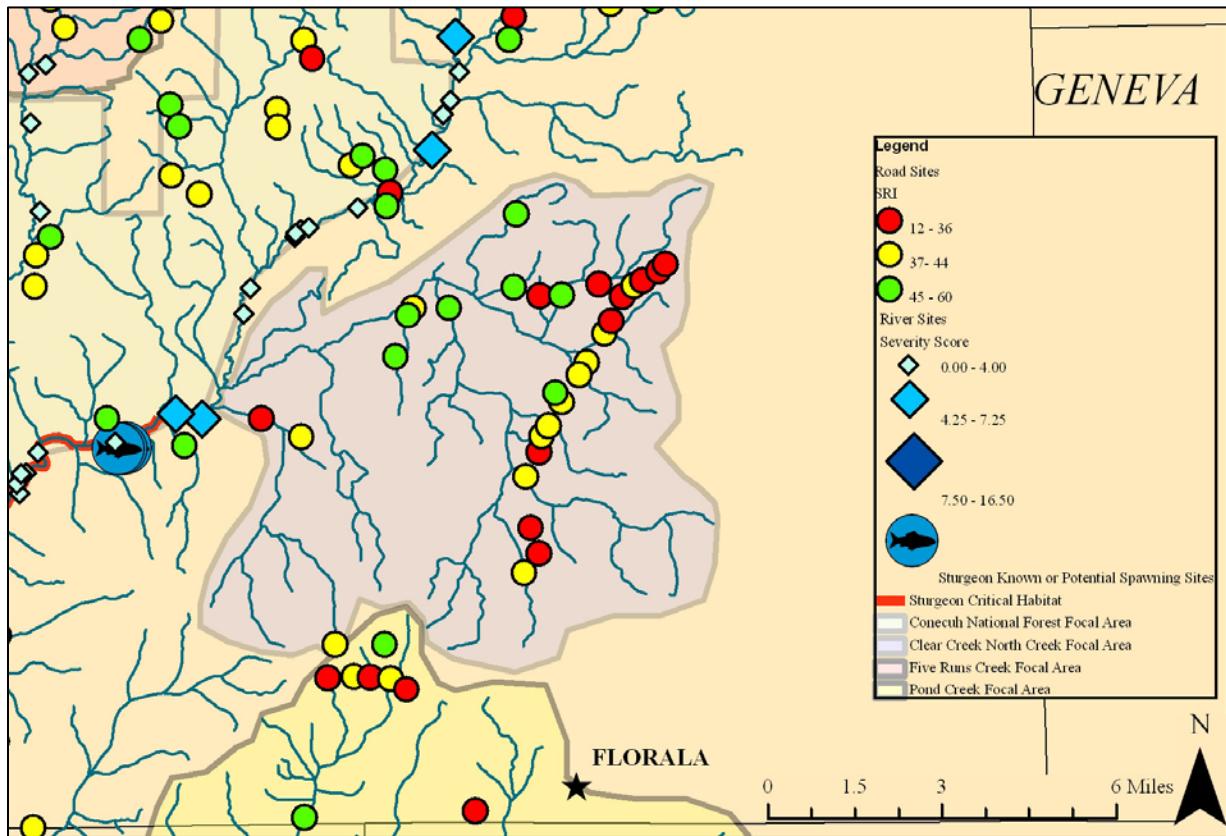
| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| co-0901-r-005 | 5                | 5             | 3               | 3            | 5                   | 3                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 1                | 0                | 4                  | 5                      | 2                   | 3             | <b>48</b> |
| co-0904-r-009 | 5                | 5             | 3               | 3            | 5                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| co-1102-r-001 | 5                | 3             | 3               | 5            | 3                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>48</b> |
| co-1102-r-008 | 5                | 3             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 0                | 1                | 4                  | 5                      | 2                   | 3             | <b>48</b> |
| co-1102-r-010 | 5                | 3             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 0                   | 1             | <b>48</b> |
| co-1103-r-015 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 3                 | 1                  | 1                  | 0                     | 0                       | 0                   | 1                  | 0                | 1                | 3                  | 3                      | 1                   | 3             | <b>48</b> |
| co-1104-r-001 | 5                | 3             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 1                       | 1                   | 1                  | 1                | 0                | 4                  | 5                      | 2                   | 3             | <b>48</b> |
| ok-0223-r-003 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 0                  | 1                     | 1                       | 0                   | 0                  | 1                | 1                | 0                  | 1                      | 4                   | 5             | <b>48</b> |
| ok-0318-r-005 | 5                | 3             | 3               | 3            | 5                   | 5                   | 5                    | 5                    | 3                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| ok-0407-r-001 | 5                | 5             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 0                  | 0                  | 0                     | 0                       | 1                   | 0                  | 0                | 0                | 1                  | 3                      | 0                   | 1             | <b>48</b> |
| ok-0526-r-001 | 5                | 1             | 3               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>48</b> |
| ok-0526-r-010 | 3                | 5             | 1               | 5            | 3                   | 5                   | 5                    | 5                    | 5                 | 5                 | 1                  | 0                  | 1                     | 0                       | 0                   | 1                  | 1                | 0                | 2                  | 3                      | 2                   | 3             | <b>48</b> |
| ok-0528-r-003 | 5                | 3             | 3               | 3            | 3                   | 3                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>48</b> |
| sr-0223-r-001 | 5                | 1             | 3               | 3            | 5                   | 5                   | 5                    | 5                    | 5                 | 5                 | 0                  | 1                  | 0                     | 1                       | 0                   | 0                  | 0                | 0                | 1                  | 3                      | 1                   | 3             | <b>48</b> |

| Crossing ID    | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|----------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|                | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| wa-0625-r-001  | 3                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| wa-0625-r-005b | 5                | 5             | 5               | 1            | 3                   | 3                   | 5                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 0                       | 0                   | 1                  | 1                | 1                | 3                  | 3                      | 3                   | 3             | <b>48</b> |
| wa-0626-r-008  | 3                | 5             | 5               | 3            | 5                   | 5                   | 3                    | 3                    | 3                 | 3                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>48</b> |
| wa-0714-r-003  | 5                | 5             | 5               | 3            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 0                  | 1                  | 0                     | 1                       | 0                   | 1                  | 1                | 1                | 3                  | 3                      | 3                   | 3             | <b>48</b> |
| wa-0722-r-005  | 5                | 5             | 1               | 5            | 3                   | 3                   | 5                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>48</b> |
| co-0812-r-006  | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 5                 | 3                 | 1                  | 1                  | 0                     | 1                       | 1                   | 0                  | 1                | 4                | 5                  | 2                      | 3                   | 3             | <b>50</b> |
| co-0831-r-014  | 5                | 5             | 5               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 3                 | 1                  | 0                  | 0                     | 1                       | 1                   | 1                  | 1                | 0                | 3                  | 3                      | 2                   | 3             | <b>50</b> |
| co-0901-r-007  | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 3                    | 3                 | 5                 | 1                  | 1                  | 1                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>50</b> |
| co-0901-r-017  | 5                | 5             | 3               | 5            | 3                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>50</b> |
| co-1029-r-001  | 5                | 3             | 5               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 0                  | 1                | 1                | 3                  | 3                      | 4                   | 5             | <b>50</b> |
| co-1029-r-005  | 5                | 5             | 5               | 1            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>50</b> |
| co-1102-r-007  | 5                | 1             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>50</b> |
| co-1102-r-013  | 5                | 1             | 5               | 3            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 4                  | 5                      | 4                   | 5             | <b>50</b> |
| co-1103-r-001  | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 3                 | 5                 | 1                  | 1                  | 1                     | 0                       | 0                   | 0                  | 0                | 0                | 2                  | 3                      | 1                   | 3             | <b>50</b> |

| Crossing ID   | SRI Total        |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor |           |
| ok-0407-r-005 | 5                | 1             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 1                 | 0                  | 0                  | 1                     | 1                       | 0                   | 0                  | 4                | 5                | 0                  | 1                      | <b>50</b>           |               |           |
| ok-0710-r-002 | 5                | 5             | 3               | 3            | 5                   | 5                   | 5                    | 5                    | 0                 | 1                 | 0                  | 0                  | 1                     | 1                       | 0                   | 0                  | 3                | 3                | 0                  | 1                      | <b>50</b>           |               |           |
| sr-0223-r-002 | 5                | 5             | 3               | 3            | 3                   | 5                   | 3                    | 5                    | 5                 | 1                 | 1                  | 0                  | 1                     | 1                       | 1                   | 0                  | 4                | 5                | 2                  | 3                      | <b>50</b>           |               |           |
| wa-0722-r-002 | 5                | 5             | 3               | 5            | 3                   | 3                   | 5                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 4                | 5                  | 0                      | 1                   | <b>50</b>     |           |
| wa-0722-r-007 | 5                | 5             | 3               | 5            | 5                   | 5                   | 1                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>50</b> |
| co-0729-r-002 | 5                | 1             | 3               | 5            | 3                   | 5                   | 5                    | 5                    | 5                 | 1                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 4                | 5                | 4                  | 5                      | 5                   | <b>52</b>     |           |
| co-0831-r-012 | 5                | 5             | 3               | 3            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 1                | 4                  | 5                      | 1                   | 3             | <b>52</b> |
| co-1029-r-004 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>52</b> |
| co-1103-r-016 | 5                | 5             | 5               | 3            | 5                   | 5                   | 5                    | 5                    | 5                 | 1                 | 0                  | 0                  | 0                     | 1                       | 1                   | 0                  | 0                | 3                | 3                  | 0                      | 1                   | <b>52</b>     |           |
| ok-0223-r-004 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 1                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 4                | 5                | 4                  | 5                      | 5                   | <b>52</b>     |           |
| ok-0223-r-006 | 5                | 5             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 5                 | 1                 | 1                  | 0                  | 0                     | 0                       | 0                   | 0                  | 2                | 3                | 0                  | 1                      | <b>52</b>           |               |           |
| sr-0414-r-006 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 0                     | 0                       | 1                   | 1                  | 0                | 0                | 4                  | 5                      | 0                   | 1             | <b>52</b> |
| co-0811-r-001 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 0                  | 1                | 4                | 5                  | 3                      | 3                   | <b>54</b>     |           |
| co-0812-r-003 | 5                | 5             | 3               | 5            | 5                   | 5                   | 3                    | 5                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 0                   | 1                  | 0                | 0                | 4                  | 5                      | 1                   | 3             | <b>54</b> |

|               | <b>SRI Total</b> |               |                 |              |                     |                     |                      |                      |                   |                   |                    |                    |                       |                         |                     |                    |                  |                  |                    |                        |                     |               |             |           |
|---------------|------------------|---------------|-----------------|--------------|---------------------|---------------------|----------------------|----------------------|-------------------|-------------------|--------------------|--------------------|-----------------------|-------------------------|---------------------|--------------------|------------------|------------------|--------------------|------------------------|---------------------|---------------|-------------|-----------|
|               | Ditches If Total | Ditches Total | Outlet If Total | Outlet Total | Downstream Lt Ditch | Downstream Rt Ditch | Downstream Lt Outlet | Downstream Rt Outlet | Upstream Lt Ditch | Upstream Rt Ditch | Upstream Lt Outlet | Upstream Rt Outlet | InletOutlet Condition | Crossing fill condition | Upstream Skew Angle | DS Bank Alteration | DS Channel Morph | US Channel Morph | Avg Approach Slope | Road Approach Material | Potential Erod Mean | Soil K Factor | Crossing ID |           |
| co-1103-r-012 | 3                | 5             | 5               | 5            | 5                   | 5                   | 5                    | 5                    | 0                 | 1                 | 0                  | 0                  | 1                     | 1                       | 0                   | 1                  | 1                | 1                | 1                  | 1                      | 3                   | 1             | 3           | <b>54</b> |
| ok-0526-r-004 | 3                | 5             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 1                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 1                  | 1                      | 4                   | 5             | 4           | <b>54</b> |
| co-0901-r-019 | 5                | 5             | 3               | 5            | 5                   | 5                   | 5                    | 5                    | 1                 | 1                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 1                  | 1                      | 4                   | 5             | 4           | <b>56</b> |
| wa-0710-r-001 | 5                | 5             | 5               | 5            | 5                   | 5                   | 3                    | 3                    | 5                 | 5                 | 1                  | 1                  | 1                     | 1                       | 1                   | 1                  | 1                | 1                | 1                  | 1                      | 4                   | 5             | 4           | <b>56</b> |

Appendix C. Clear Creek Watershed Focal Area. Sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the Sediment Risk Index (SRI) are detailed in Witmer (2009).



## Unnamed tributary

co-0812-r-002

Sedimentation Risk Index

**28**

Common: 8.3mi NW of Florala  
Drainage: North Creek  
Land owner: Walter & Martha Spears

GPS: 31.095561, -86.418078

County: Covington  
PLSS (T-R-S): 2N-16E-35  
Parcel No.: 6  
Road Name: Laird Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: PVC  
Soil Types: BoB,BoC,CdC,DmB,FoA,FuB,GrA,IbA,MBA  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 3.0in

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Rock DS holding back the water flow.

## Unnamed tributary

co-0820-r-003

Sedimentation Risk Index

**28**

Common: 4.4mi N of Flora  
Drainage: Dry Creek GPS: 31.067773851, -86.339962557  
Land owner: Rayonier Forest Resources LP

County: Covington State: Alabama  
PLSS (T-R-S): 1N-17E-10  
Parcel No.: 1  
Road Name: Tram Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,BoC,CdC,DmB,EsC,FoA  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 2.0in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: US channelized

| Unnamed tributary  | co-0812-r-009   | Sedimentation Risk Index<br><b>30</b> |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
|--|---|---------------------------------------|-------|-------------------------|--------|---|-------------------------|----|---|---------------------------|------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8.3mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.125967, -86.336861<br><u>Land owner:</u> Rodney Helms US, Donald & Elizabeth Stullken -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-22<br><u>Parcel No.:</u> 3; 3.03<br><u>Road Name:</u> Booker Rd | <u>State:</u> Alabama                 |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <br>Crossing Structure: DS  | <br>DS                                |                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td>1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td>1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>High Risk</b></td> <td><b>30</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB,BoC,DmB,EsC,GrA,MBA,OrA,OrB<br/> <u>Rt Approach Prism Fill:</u> 0.15in<br/> <u>Lt Approach Prism Fill:</u> 0.1in</p> | Risk Factor   | Ranking                               | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>30</b> | <br><table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking   | Score                                 |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | PONDED  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | DA  | 3                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | >30°  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Aggregate   | 5                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20   | 5                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Unimproved Outlet System  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>High Risk</b>  | <b>30</b>                             |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field                     |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| 303(d)   | No  | N/A                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Wetland Species  | No  | N/A                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No  | N/A                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes   | N/A/<br>DEVELOPED OPEN SPACE          |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |  |

Notes: Man-made pond US- awkward drainage at a high angle

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| Unnamed tributary   | co-0831-r-005  | Sedimentation Risk Index<br><b>30</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
|---|--|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|
| <u>Common:</u> 9.0mi N of Florala<br><u>Drainage:</u> Beaver Creek<br><u>Land owner:</u> Rayonier Forest Resources  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-13<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Johnson's Quarters | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
|    |  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Crossing Structure: US  |  | US  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>High Risk</b></td><td><b>30</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>30</b> |  |
| Risk Factor   | Ranking  | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>US Channel Morph</i>   | DA   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>DS Channel Morph</i>   | DA   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>DS Bank Alteration</i>   | HIGH   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Skew Angle</i>  | >30°   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Approach Slope Mean</i>  | <2%  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <b>SRI Total</b>  | <b>High Risk</b>   | <b>30</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> BoB,FoA,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 1.0in  |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Feature   | Within Range   | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| 303(d)  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Wetland Species   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Rare and Imperiled  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Land Use/ Cover   | Yes  | N/A/<br>DEVELOPED OPEN SPACE  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Candidate Mussels   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Sturgeon C.H.   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |

Notes: None

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# Clear Creek

co-0812-r-011

Sedimentation Risk Index  
**32**

|                                   |                                |                       |
|-----------------------------------|--------------------------------|-----------------------|
| <u>Common:</u> 8.6mi N of Florala | <u>County:</u> Covington       | <u>State:</u> Alabama |
| <u>Drainage:</u> Yellow River     | <u>PLSS (T-R-S):</u> 2N-17E-23 |                       |
| <u>Land owner:</u> Avis McGourk   | <u>Parcel No.:</u> 4           |                       |

GPS: 31.128814, -86.319747    Road Name: Buster Aplin Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>32</b> |

## Additional Site Features

|                                    |                         |
|------------------------------------|-------------------------|
| <u>Crossing Type and Quantity:</u> | Bridge, 1               |
| <u>Crossing Materials:</u>         | Reinforced Concrete     |
| <u>Soil Types:</u>                 | BoB, BoC, FoA, FuB, MBA |
| <u>Rt Approach Prism Fill:</u>     | 0.75in                  |
| <u>Lt Approach Prism Fill:</u>     | 0.5in                   |

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None.

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## Unnamed tributary

co-0820-r-002

Sedimentation Risk Index

**32**

Common: 4.0mi N of Flora  
Drainage: Clear Creek GPS: 31.061369177, -86.337699081  
Land owner: Rayonier Forest Resources LP

County: Covington State: Alabama  
PLSS (T-R-S): 1N-17E-10  
Parcel No.: 1  
Road Name: Tram Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: Bob,BoC,DmB,FoA,LyA,MBA  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS sediment loaded.

## Unnamed tributary

co-0820-r-010

Sedimentation Risk Index  
**32**

Common: 7.9mi N of Florala  
Drainage: Beaver Creek      GPS: 31.119467511, -86.316219563  
Land owner: JoAnn Greene

County: Covington      State: Alabama  
PLSS (T-R-S): 2N-17E-23  
Parcel No.: 7.01  
Road Name: Tram Rd



Crossing Structure: US

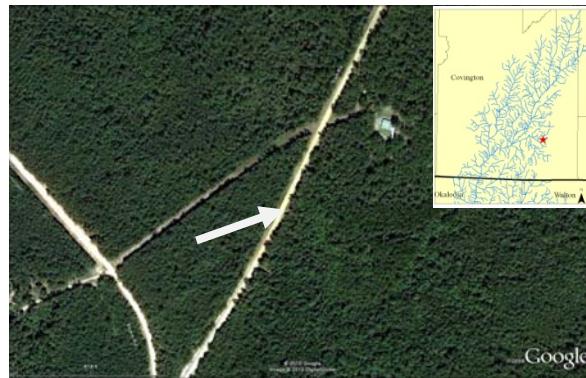


US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,DMB,FoA,MBA  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.75in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: None.

## Unnamed tributary

co-0830-r-001

Sedimentation Risk Index  
**32**

Common: 8.35mi N of Florala  
Drainage: Beaver Creek GPS: 31.125586, -86.312967  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 2N-17E-23  
Parcel No.: 1  
Road Name: Johnson's Quarters



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,FoA,FuB,MBA,RaA  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field             |
|--------------------|--------------|-------------------------------|
| 303(d)             | No           | N/A                           |
| Wetland Species    | No           | N/A                           |
| Rare and Imperiled | No           | N/A                           |
| Land Use/ Cover    | Yes          | N/A/<br>EVERGREEN PLANTATIONS |
| Candidate Mussels  | No           | N/A                           |
| Sturgeon C.H.      | No           | N/A                           |

Notes: Culvert almost buried.

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## Unnamed tributary

co-0831-r-004

Sedimentation Risk Index  
**32**

Common: 9.0mi N of Florala  
Drainage: Beaver Creek GPS: 31.131894, -86.302256  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 2N-17E-24  
Parcel No.: 1  
Road Name: Johnsons Quarters

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | B                                | 5         |
| <i>DS Channel Morph</i>             | D                                | 1         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y <sup>3</sup>             | 3         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,BoC,FoA,FuB,MBA  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Rip rap blocking stream bed.

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| Unnamed tributary   | co-0820-r-005  | Sedimentation Risk Index<br><b>34</b> |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|---|--|---------------------------------------|-------|-------------------------|----|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 5.7mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.086853712, -86.337426676<br><u>Land owner:</u> Rayonier Forest Resources LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-17E-3<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Tram Rd | <u>State:</u> Alabama                 |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|    |                              |                                       |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| Crossing Structure: DS  | DS   |                                       |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td style="text-align: right;">3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td>0.21-0.40</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><b>Outlet Total</b></td><td>Partially Improved Outlet System</td><td style="text-align: right;">3</td></tr> <tr><td><b>Ditches Total</b></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>High Risk</b></td><td style="text-align: right;"><b>34</b></td></tr> </tbody> </table> | Risk Factor  | Ranking                               | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Partially Improved Outlet System | 3 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>34</b> |  |  |
| Risk Factor   | Ranking  | Score                                 |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>   | DA   | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>Outlet Total</b>   | Partially Improved Outlet System   | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>Ditches Total</b>  | Unimproved Drainage System   | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>SRI Total</b>  | <b>High Risk</b>   | <b>34</b>                             |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> DmB,FoA,FuB,GrA,LuB,MBA,RaA<br><u>Rt Approach Prism Fill:</u> 1.5in<br><u>Lt Approach Prism Fill:</u> 0.25in   | <b>Feature</b>   | <b>Within Range</b>                   |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | 303(d)   | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | Wetland Species  | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | Rare and Imperiled   | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | Sturgeon Spawning  | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | Candidate Mussels  | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   | Sturgeon C.H.  | No                                    |       |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |

Notes: None.

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## Unnamed tributary

co-0831-r-003

Sedimentation Risk Index  
**36**

Common: 8.7mi N of Florala  
Drainage: Beaver Creek GPS: 31.129497, -86.307092  
Land owner: Rayonier Forest Resources LP

County: Covington State: Alabama  
PLSS (T-R-S): 2N-17E-24  
Parcel No.: 1  
Road Name: Johnson's Quarters



Crossing Structure: US

US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |



| Additional Site Features           |                         |
|------------------------------------|-------------------------|
| <u>Crossing Type and Quantity:</u> | Culvert, 1              |
| <u>Crossing Materials:</u>         | Metal                   |
| <u>Soil Types:</u>                 | BoB, BoC, FoA, FuB, MBA |
| <u>Rt Approach Prism Fill:</u>     | 0.25in                  |
| <u>Lt Approach Prism Fill:</u>     | 0.5in                   |

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: High sediment loads from outlets

| Unnamed tributary  | co-0812-r-013b   | Sedimentation Risk Index<br><b>38</b>                    |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|--|--|--|---|-------------------------|---------|---|-------------------------|---------|---|---------------------------|---------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 7.0mi N of Florala<br><u>Drainage:</u> Beaver Creek <u>GPS:</u> 31.106053, -86.325597<br><u>Land owner:</u> Rayonier Forest Resources LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-26<br><u>Parcel No.:</u> 5<br><u>Road Name:</u> Tram Rd            | <u>State:</u> Alabama                                    |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|   |    |  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   | DS   |  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | WETLAND | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | WETLAND  | 5  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | WETLAND  | 5  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | NATURAL  | 5  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Unimproved Outlet System   | 1  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>38</b>  |   |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> BoB,DmB,FoA,FuB,MBA,OrB,RaA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.5in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/ EVERGREEN PLANTATIONS<br>N/A<br>N/A |                         |         |   |                         |         |   |                           |         |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |

Notes: Culvert undersized for wetland drainage

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| Unnamed tributary   | co-0820-r-006   | <i>Sedimentation Risk Index</i><br><b>38</b>   |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|---|---|--|---------|--------------|-------------------------|---------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 5.9mi N of Florala<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.090768061, -86.336509468<br><u>Land owner:</u> Rayonier Forest Resources LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-34<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Tram Rd | <u>State:</u> Alabama  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|    |   |    |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: US  |   | US   |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td style="text-align: right;">3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td style="text-align: right;">3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | WETLAND | 5  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | 5-30°           | 3  | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |
| Risk Factor   | Ranking   | Score  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | WETLAND   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | DA  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | <2%   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>38</b>  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> FoA,FuB,LuB,MBA<br><u>Rt Approach Prism Fill:</u> 1.0in<br><u>Lt Approach Prism Fill:</u> 0.25in   |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)  | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| 303(d)  | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Wetland Species   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled  | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |

Notes: None.

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| Unnamed tributary  | co-0820-r-007   | Sedimentation Risk Index<br><b>38</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|--|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 6.1mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.093397595, -86.334589086<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-34<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Tram Rd | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <br>Crossing Structure: DS  | <br>DS                        |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th><th style="text-align: left;">Ranking</th><th style="text-align: left;">Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>            | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |
| Risk Factor  | Ranking   | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>US Channel Morph</i>  | DA  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Channel Morph</i>  | C   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | >40 y³  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | <2%   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>38</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> Bob,FuB,MBA,RaA<br/> <u>Rt Approach Prism Fill:</u> 1.0in<br/> <u>Lt Approach Prism Fill:</u> 0.1in       </p>   |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th><th style="text-align: left;">Within Range</th><th style="text-align: left;">Descriptive Field</th></tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT)</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/ SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT) | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Feature  | Within Range  | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| 303(d)   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Wetland Species  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Rare and Imperiled   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Land Use/ Cover  | Yes   | N/A/ SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT)  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Candidate Mussels  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Sturgeon C.H.  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |

Notes: None.

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| Unnamed tributary  | co-0812-r-001  | <i>Sedimentation Risk Index</i><br><b>40</b>   |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
|--|--|--|---------|--------------|-------------------|--------|----|------------------|-----------------|----|--------------------|--------------------|----|---------------------|-----------------|-----|-------------------------|-------------------|----|------------------------|---------------|----|------------------------|---------------|---|------------------------------|--------|---|---------------------|-----|---|---------------|-------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|----------------------------------|---|---------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 7.6mi NW of Florala<br><u>Drainage:</u> North Creek<br><u>Land owner:</u> J.N & A.B. Heisler Heirs  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-36<br><u>Parcel No.:</u> 6<br><u>Road Name:</u> Laird Rd | <u>State:</u> Alabama  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
|   |  |    |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Crossing Structure: DS   |  | DS   |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>PONDED</td><td>1</td></tr> <tr><td>DS Channel Morph</td><td>WETLAND</td><td>5</td></tr> <tr><td>DS Bank Alteration</td><td>HIGH</td><td>1</td></tr> <tr><td>Upstream Skew Angle</td><td>&lt;5°</td><td>5</td></tr> <tr><td>Crossing fill condition</td><td>Good/Vegetated</td><td>5</td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>&gt;40 y³</td><td>1</td></tr> <tr><td>Approach Slope Mean</td><td>&lt;2%</td><td>5</td></tr> <tr><td>Soil K Factor</td><td>&lt;0.20</td><td>5</td></tr> <tr><td>Upstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Outlet Total</td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td>Ditches Total</td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>40</b></td></tr> </tbody> </table> |  | Risk Factor  | Ranking | Score        | US Channel Morph  | PONDED | 1  | DS Channel Morph | WETLAND         | 5  | DS Bank Alteration | HIGH               | 1  | Upstream Skew Angle | <5°             | 5   | Crossing fill condition | Good/Vegetated    | 5  | Inlet/Outlet Condition | No Impairment | 5  | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | >40 y³ | 1 | Approach Slope Mean | <2% | 5 | Soil K Factor | <0.20 | 5 | Upstream Rt Outlet | Vegetated | 1 | Upstream Lt Outlet | Vegetated | 1 | Upstream Rt Ditch | Bare soil | 0 | Upstream Lt Ditch | Bare soil | 0 | Downstream Rt Outlet | Bare soil | 0 | Downstream Lt Outlet | Bare soil | 0 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Partially Improved Outlet System | 3 | Ditches Total | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor  | Ranking  | Score  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| US Channel Morph   | PONDED   | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| DS Channel Morph   | WETLAND  | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| DS Bank Alteration   | HIGH   | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Upstream Skew Angle  | <5°  | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Crossing fill condition  | Good/Vegetated   | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Inlet/Outlet Condition   | No Impairment  | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Road Approach Material   | All Sand/Clay  | 3  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Potential Eroded Volume Mean   | >40 y³   | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Approach Slope Mean  | <2%  | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Soil K Factor  | <0.20  | 5  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Upstream Rt Outlet   | Vegetated  | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Upstream Lt Outlet   | Vegetated  | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Upstream Rt Ditch  | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Upstream Lt Ditch  | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Downstream Rt Outlet   | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Downstream Lt Outlet   | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Downstream Rt Ditch  | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Downstream Lt Ditch  | Bare soil  | 0  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Outlet Total   | Partially Improved Outlet System   | 3  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Ditches Total  | Unimproved Drainage System   | 1  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Ford, 1<br><u>Crossing Materials:</u> Native Soil<br><u>Soil Types:</u> BoB,CdC,DmB,FoA,FuB,GrA,MBA<br><u>Rt Approach Prism Fill:</u> 1.0in<br><u>Lt Approach Prism Fill:</u> 0.5in  |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>PASTURE/HAY</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A              | Wetland Species | No | N/A                | Rare and Imperiled | No | N/A                 | Land Use/ Cover | Yes | N/A/<br>PASTURE/HAY     | Candidate Mussels | No | N/A                    | Sturgeon C.H. | No | N/A                    |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Feature  | Within Range   | Descriptive Field  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| 303(d)   | No   | N/A  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Wetland Species  | No   | N/A  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Rare and Imperiled   | No   | N/A  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Land Use/ Cover  | Yes  | N/A/<br>PASTURE/HAY  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Candidate Mussels  | No   | N/A  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |
| Sturgeon C.H.  | No   | N/A  |         |              |                   |        |    |                  |                 |    |                    |                    |    |                     |                 |     |                         |                   |    |                        |               |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                                  |   |               |                            |   |                  |                    |           |   |

Notes: DS road erosion leading into wetland. Rock placed in US channel. Looks like there should be a culvert

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# Beaver Creek

co-0812-r-013a

Sedimentation Risk Index  
**40**

Common: 7.3mi N of Flora  
Drainage: Clear Creek GPS: 31.109228, -86.323289  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 2N-17E-26  
Parcel No.: 5  
Road Name: Tram Rd

State: Alabama



Crossing Structure: US



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB,DmB,FoA,FuB,MBA,OrB,RaA  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field          |
|--------------------|--------------|----------------------------|
| 303(d)             | No           | N/A                        |
| Wetland Species    | No           | N/A                        |
| Rare and Imperiled | No           | N/A                        |
| Land Use/ Cover    | Yes          | N/A/ EVERGREEN PLANTATIONS |
| Candidate Mussels  | No           | N/A                        |
| Sturgeon C.H.      | No           | N/A                        |

Notes: Poor outlets

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# Dry Creek

co-0820-r-004

Sedimentation Risk Index  
**40**

Common: 5.3mi N of Flora  
Drainage: Clear Creek      GPS: 31.080673255, -86.341286533  
Land owner: Rayonier Forest Resources LP

County: Covington      State: Alabama  
PLSS (T-R-S): 1N-17E-3  
Parcel No.: 1  
Road Name: Tram Rd



Crossing Structure: US



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 3  
Crossing Materials: Metal  
Soil Types: MbA, FoA  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 0.75in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None.

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| Unnamed tributary   | co-0820-r-008   | <i>Sedimentation Risk Index</i><br><b>40</b> |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|---|--|-------|-------------------------|---------|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 6.5mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.099232101, -86.330790688<br><u>Land owner:</u> Rayonier Forest Resources LP DS, W&G Martin Heirs-US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-34<br><u>Parcel No.:</u> 3;1<br><u>Road Name:</u> Tram Rd | <u>State:</u> Alabama                        |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <br>Crossing Structure: US   | <br>US                          |  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>WETLAND</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB, DmB, FoA, FuB, MBA, RaA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.75in</p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> | <br>Google |  |
| Risk Factor   | Ranking   | Score  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | WETLAND   | 5  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA  | 3  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%   | 5  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>                                    |       |                         |         |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: Evidence of past aggregate on the road?

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| Unnamed tributary   | co-0731-r-010   | <i>Sedimentation Risk Index</i><br><b>42</b> |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|----|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.8mi NW of Florala<br><u>Drainage:</u> Horsehead Creek <u>GPS:</u> 31.039100, -86.396897<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-16E-24<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Big Farm Rd | <u>State:</u> Alabama                        |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <br>Crossing Structure: US   | <br>US                            |  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>42</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BoC,CdC,FuB,MBA,RaA<br/> <u>Rt Approach Prism Fill:</u> 1.0in<br/> <u>Lt Approach Prism Fill:</u> 4.0in</p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>US | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | DA  | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E   | 5  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Improved Outlet System  | 5  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>42</b>                                    |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                            |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| 303(d)  | No  | N/A  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | N/A/<br>DEVELOPED OPEN SPACE                 |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |

Notes: Possibly historically channelized

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| Unnamed tributary  | co-0812-r-005  | Sedimentation Risk Index<br><b>42</b>                    |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|--|--|--|---|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|--------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 8.6mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.122894, -86.373628<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-20<br><u>Parcel No.:</u> 6<br><u>Road Name:</u> Swimming Hole Rd   | <u>State:</u> Alabama                                    |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|   |    |  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   | DS   |  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | C  | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | C  | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap   | 3  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>  |   |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BgA,FoA,JbA,MBA,TrB,TrD<br><u>Rt Approach Prism Fill:</u> 0.75in<br><u>Lt Approach Prism Fill:</u> 0.25in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>DEVELOPED OPEN SPACE<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: Rip rap filled culvert outlet.

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# Clear Creek

co-0812-r-012

Sedimentation Risk Index  
**42**

Common: 7.6mi N of Flora  
Drainage: Yellow River  
Land owner: Ronnie & Cindy Moates

GPS: 31.116353, -86.318125

County: Covington  
PLSS (T-R-S): 2N-17E-26  
Parcel No.: 1  
Road Name: Tram Rd

State: Alabama



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB,FoA,FuB,LuB,MBA  
Rt Approach Prism Fill: 0.2in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Low flow.

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# Clear Creek

co-0820-r-001

Sedimentation Risk Index  
**42**

Common: 3.7mi N of Flora  
Drainage: Yellow River      GPS: 31.0566075, -86.341810698  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 1N-17E-15  
Parcel No.: 1  
Road Name: Tram Rd

State: Alabama



Crossing Structure: US



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System           | 1         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB, BoC, FoA, FuB, MBA  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: Old bridge in channel

| Unnamed tributary  | co-0831-r-002  | <i>Sedimentation Risk Index</i><br><b>44</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|--|--|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 8.5mi N of Florala<br><u>Drainage:</u> Beaver Creek<br><u>Land owner:</u> Rayonier Forest Resources LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-24<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Johnson's Quarters | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|   |  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: US   |  | US  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>44</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | E      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>  | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |
| Risk Factor  | Ranking  | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>  | E  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>  | E  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>   | <2%  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>   | <0.20  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>  | Improved Outlet System   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>44</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoB,BoC,FoA,FuB,RaA<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.25in  |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND-LOBLOLLY MODIFIER</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Feature  | Within Range   | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| 303(d)   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Wetland Species  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover  | Yes  | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |

Notes: Culvert crushed

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# Dry Creek

co-0812-r-004

Sedimentation Risk Index  
**46**

Common: 8.5mi N of Flora  
Drainage: Clear Creek GPS: 31.122884, -86.363344  
Land owner: Rayonier Forest Resources LP

County: Covington State: Alabama  
PLSS (T-R-S): 2N-17E-20  
Parcel No.: 6  
Road Name: Swimming Hole Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | B                                | 5         |
| <i>DS Channel Morph</i>             | B                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoC,DmB,FuB,MBB,TrD  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Semi-private road. Dead end, does not appear to receive a lot of traffic.

| Unnamed tributary  | co-0812-r-010   | Sedimentation Risk Index<br><b>46</b> |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
|--|---|---------------------------------------|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|--------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 8.3mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.126136, -86.330511<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-22<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Booker Rd | <u>State:</u> Alabama                 |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>US                          |                                       |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Low Risk</b></td><td style="text-align: right;"><b>46</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BoB,BoC,DmB,EsC,GrA,MBA,OrA,OrB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.15in</p> | Risk Factor   | Ranking                               | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> | <br>US | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score                                 |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | C   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | C   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Aggregate   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>46</b>                             |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                     |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| 303(d)   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Wetland Species  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Rare and Imperiled   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | N/A/<br>DEVELOPED OPEN SPACE          |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |

Notes: None.

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| Unnamed tributary  | co-0820-r-009  | Sedimentation Risk Index<br><b>46</b> |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
|--|--|---------------------------------------|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|-------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 6.6mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.101564654, -86.332444522<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-34<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Betty's Rd | <u>State:</u> Alabama                 |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <br>Crossing Structure: DS  | <br>US                           |                                       |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>B</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Improved Drainage System</td><td>5</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB,DMB,FoA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.25in     </p> | Risk Factor  | Ranking                               | Score | <i>US Channel Morph</i> | B | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> | <br>Google <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>EVERGREEN PLANTATIONS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>EVERGREEN PLANTATIONS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking  | Score                                 |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | B  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | C  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | <2%  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Vegetated  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Improved Drainage System   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>46</b>                             |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No   | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A/<br>EVERGREEN PLANTATIONS         |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                               |                   |    |     |               |    |     |  |

Notes: Submerged culvert.

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# Craw Pond

co-0812-r-007

Sedimentation Risk Index  
**48**

Common: 9.8mi N of Flora  
Drainage: Clear Creek  
Land owner: Albert & James Cravey

GPS: 31.146472, -86.343528

County: Covington  
PLSS (T-R-S): 2N-17E-15  
Parcel No.: 2  
Road Name: New Hope Rd

State: Alabama



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                         | 3         |
| <i>DS Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: CdC,DmB,FoA,FuB,MBA  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: None

# Unnamed tributary

co-0812-r-008

Sedimentation Risk Index  
**48**

Common: 8.6mi N of Flora  
Drainage: Clear Creek  
Land owner: Rodney Helms

GPS: 31.128061, -86.344464

County: Covington  
PLSS (T-R-S): 2N-17E-22  
Parcel No.: 3  
Road Name: Booker Rd

State: Alabama



Crossing Structure: DS



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB,BoC,DmB,EsC,GrA,MBA,OrA,OrB  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/Cover     | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Fencing across US

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| Unnamed tributary  | co-0812-r-006  | Sedimentation Risk Index<br><b>50</b> |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|--|--|---------------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 8.6mi N of Flora<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.121189, -86.375328<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-20<br><u>Parcel No.:</u> 6<br><u>Road Name:</u> Swimming Hole Rd   | <u>State:</u> Alabama                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|   |    |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: US   | US   |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>A</td><td style="text-align: right;">5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td style="text-align: right;">5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td style="text-align: right;">3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td style="text-align: right;">3</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td style="text-align: right;">5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td style="text-align: right;">5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td style="text-align: right;">3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Low Risk</b></td><td style="text-align: right;"><b>50</b></td></tr> </tbody> </table> | Risk Factor  | Ranking                               | Score        | <i>US Channel Morph</i> | A      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3  | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>50</b> |  |  |
| Risk Factor  | Ranking  | Score                                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | A  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | C  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>50</b>                             |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BgA,FoA,JbA,MBA,TrB,TrD<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.1in   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature                               | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Feature  | Within Range   | Descriptive Field                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| 303(d)   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Wetland Species  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Rare and Imperiled   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Land Use/ Cover  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Candidate Mussels  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Sturgeon C.H.  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |

Notes: None

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| Unnamed tributary   | co-0812-r-003  | Sedimentation Risk Index<br>54  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
|---|--|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8.0mi NW of Florala<br><u>Drainage:</u> Clear Creek <u>GPS:</u> 31.110944, -86.378897<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-30<br><u>Parcel No.:</u> 8<br><u>Road Name:</u> Camp Eleven Rd | <u>State:</u> Alabama   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
|    |                                      |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Crossing Structure: DS  | US   |  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>54</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>54</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>   | E  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>   | E  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>  | <2%  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>54</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Wetland Species   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Rare and Imperiled  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Land Use/ Cover   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoC,CdC,DmB,FoA,MBA,OrC,RaA<br><u>Rt Approach Prism Fill:</u> 0.75in<br><u>Lt Approach Prism Fill:</u> 0.25in  |  |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |

Notes: Highly vegetated.

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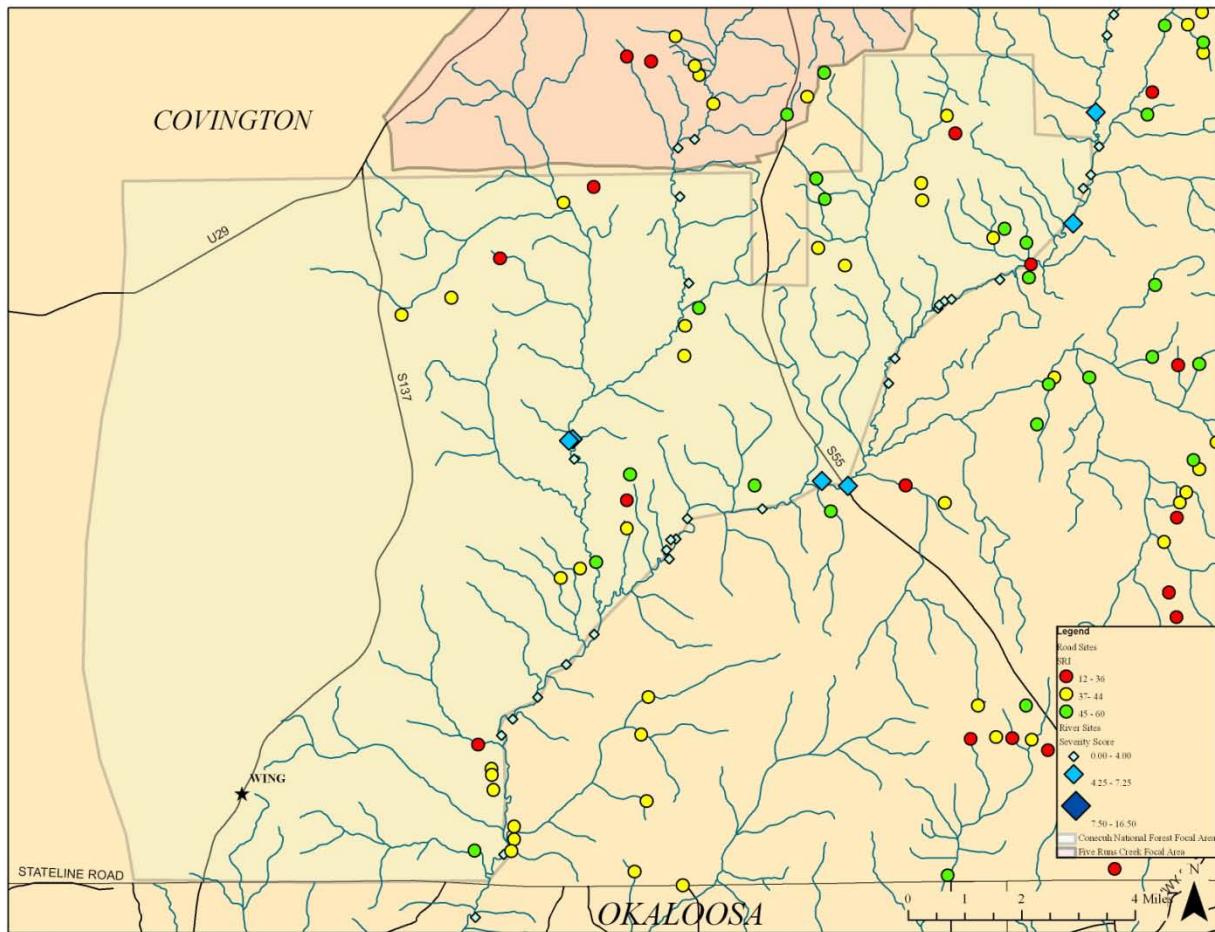


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Appendix D. Conecuh National Forest Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Yellow River   | co-0807-008   | Severity Score<br>5.25 |
|--|---|------------------------|
| <u>Common:</u> 9mi NW of Florala<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.095519537, -86.435215265<br><u>Land owner:</u> RB: Unknown/ LB: James & Mary Phillips | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-16E-34<br><u>Parcel No.:</u> RB: ? / LB: 13/49AC | <u>State:</u> Alabama  |
| <br>LB  |                   |                        |
| Risk Factor  | Ranking   | Score                  |
| <i>Channel Stability</i>   | Fair  | 1                      |
| <i>Channel Alteration</i>  | None  | 0                      |
| <i>Bank Erosion</i>  | Active  | 1                      |
| <i>BEHI</i>  | Moderate  | 0.5                    |
| <i>Local NPSP</i>  | Obvious Sources   | 1                      |
| <i>Shoring Structures</i>  | Present   | 1.5                    |
| <i>Pipe Discharge</i>  | Not Present   | 0                      |
| <i>Water Odors</i>   | Not Present   | 0                      |
| <i>Fish Passage Barrier</i>  | Not Present   | 0                      |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0                      |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0                      |
| <i>RB: Floodplain Access</i>   | Full  | 0                      |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25                   |
| <b>River Threat Index:</b>   |   | <b>5.25</b>            |
| <b>Additional Site Features</b>  |   |                        |
| <u>Stream Channel Woody Material:</u> Infrequent<br><u>Impoundments:</u> None<br><u>Substrate Composition:</u> Medium Sand<br><u>Bank Material:</u> Sand                 |   |                        |
| Notes: Shoring structure under Hwy 55 bridge composed of concrete and rip rap.   |   |                        |

Restoration Recommendations: TBD

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| Yellow River   | co-0807-009   | Severity Score<br>5              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
|--|---|----------------------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------------|-----|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|------|------------------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|---------------|-----|------------------|------------------------|----|-----|---------------------------|----|-----|------------------------|----|-----|--------------------------|-----|----------------------------------|----------------------|-----|-----|--|
| <u>Common:</u> 9.3mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.096783472, -86.442999956<br><u>Land owner:</u> USA- Conecuh Nat. Forest.  | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-16E-34<br><u>Parcel No.:</u> 3/251AC | <u>State:</u> Alabama            |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <br><b>RB</b>   |       |                                  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Mass-wasting</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor   | Ranking                          | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass-wasting | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>METALS (MERCURY)</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>Yes</td> <td>FUZZY PIGTOE, SOUTHERN SANDSHELL</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Stream Channel Woody Material:</u> Infrequent</p> <p><u>Impoundments:</u> None</p> <p><u>Substrate Composition:</u> Medium Sand</p> <p><u>Bank Material:</u> Sand</p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | METALS (MERCURY) | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | No | N/A | <b>Candidate Mussels</b> | Yes | FUZZY PIGTOE, SOUTHERN SANDSHELL | <b>Sturgeon C.H.</b> | Yes | N/A |  |
| Risk Factor  | Ranking   | Score                            |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Channel Stability</i>   | Fair  | 1                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Channel Alteration</i>  | None  | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Bank Erosion</i>  | Mass-wasting  | 1.5                              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>BEHI</i>  | High  | 1                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Local NPSP</i>  | No Evidence   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Shoring Structures</i>  | Not Present   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Pipe Discharge</i>  | Not Present   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Water Odors</i>   | Not Present   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft   | 0.75                             |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>RB: Floodplain Access</i>   | None  | 0.75                             |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <i>LB: Floodplain Access</i>   | Full  | 0                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>River Threat Index:</b>   | <b>5</b>  |                                  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| Feature  | Within Range  | Descriptive Field                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>303(d)</b>  | Yes   | METALS (MERCURY)                 |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>Wetland Species</b>   | No  | N/A                              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>Rare and Imperiled</b>  | No  | N/A                              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>Land Use/ Cover</b>   | No  | N/A                              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>Candidate Mussels</b>   | Yes   | FUZZY PIGTOE, SOUTHERN SANDSHELL |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |
| <b>Sturgeon C.H.</b>   | Yes   | N/A                              |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |  |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |    |     |                          |     |                                  |                      |     |     |  |

Notes: Past silviculture area. Large reach.

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| Five Runs Creek   | co-0924-003  | Severity Score<br><b>4.5</b>   |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|----------------------------|-----|---------------------|-------------|---|-------------|------|---|-------------------|-------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|-----|--------------|---------------|----|-----|---------------------------------------|------------|----------------------|------|-------------------------------|-------------|-----------------------|----------------------------|--|
| <u>Common:</u> 9mi S of Carolina, .08mi US of Co Rd 24 bridge crossing<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.10748248, -86.518107393<br><u>Land owner:</u> USA- Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-15E-26<br><u>Parcel No.:</u> 1  | <u>State:</u> Alabama  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <br><b>RB</b>  |  |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">Historic, Mostly Recovered</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Not Eroding</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">High</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Present</td><td style="padding: 5px;">1.5</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">0-29 ft</td><td style="padding: 5px;">0.75</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Partial</td><td style="padding: 5px;">0.25</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>4.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | Historic, Mostly Recovered | 0.5 | <i>Bank Erosion</i> | Not Eroding | 0 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>4.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">CHOCTAW BEAN</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;"><b>Additional Site Features</b></p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td> <td style="width: 70%; padding: 2px;">Infrequent</td> </tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td> <td style="padding: 2px;">None</td> </tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td> <td style="padding: 2px;">Medium Sand</td> </tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td> <td style="padding: 2px;">Sand and Manmade Materials</td> </tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI | Candidate Mussels | Yes | CHOCTAW BEAN | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Infrequent | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand and Manmade Materials |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Channel Alteration</i>   | Historic, Mostly Recovered   | 0.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Bank Erosion</i>   | Not Eroding  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>BEHI</i>   | High   | 1  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <b>River Threat Index:</b>  | <b>4.5</b>   |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| 303(d)  | No   | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Wetland Species   | No   | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Rare and Imperiled  | No   | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Land Use/ Cover   | Yes  | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Candidate Mussels   | Yes  | CHOCTAW BEAN   |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| Sturgeon C.H.   | No   | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Stream Channel Woody Material:</i>   | Infrequent   |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Impoundments:</i>  | None   |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Substrate Composition:</i>   | Medium Sand  |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |
| <i>Bank Material:</i>   | Sand and Manmade Materials   |  |       |                          |      |     |                           |                            |     |                     |             |   |             |      |   |                   |             |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                            |  |

Notes: Shoring structure is concrete and wood for an old bridge crossing wall.

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| Five Runs Creek  | co-0924-002  | Severity Score<br><b>4.5</b>   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------------|-----|-------------|------|---|-------------------|--------------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|-----|--------------|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 14mi S of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.107806246, -86.516917293<br><u>Land owner:</u> USA – Conecuh Nat. Forest  | <u>County:</u> Covington<br><u>PLSS/T-R-S:</u> 2N-15E-26<br><u>Parcel No.:</u> 1   | <u>State:</u> Alabama  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>LB  |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Mass Wasting</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Moderate Potential</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>4.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass Wasting | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>4.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A/<br/>EAST GULF COASTAL PLAIN INTERIOR<br/>UPLAND LONGLEAF PINE WOODLAND -<br/>LOBLOLLY MODIFIER</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">CHOCTAW BEAN</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND -<br>LOBLOLLY MODIFIER | Candidate Mussels | Yes | CHOCTAW BEAN | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Fair   | 1  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Mass Wasting   | 1.5  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | High   | 1  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>  | Moderate Potential   | 1  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>4.5</b>   |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)   | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species  | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled   | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover  | Yes  | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND -<br>LOBLOLLY MODIFIER |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels  | Yes  | CHOCTAW BEAN   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.  | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |     |              |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Forest road 0.2 mi east with primitive trail leading to this site.

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| Yellow River  |                               | co-0610-001           | River Threat Index<br><b>4.25</b>  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
|---|-------------------------------|-----------------------|--|---------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------------|---|-------------|----------|-----|-------------------|-----------------|-----|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|--|-------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|------------------------------------|--|--|--|--|--|
| <u>Common:</u> 9.6 mi NW of Flora   | <u>County:</u> Covington      | <u>State:</u> Alabama |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.001583541, -86.5380255   | <u>PLSS:</u> 2N-16E-33        |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <u>Land owner:</u> RB: Dixon Family Partnership; Eilene Beard   | <u>Parcel No.:</u> 6.04; 2.04 |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
|    |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th></tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td><td>Good</td><td>0.5</td></tr> <tr> <td><i>Channel Alteration</i></td><td>None</td><td>0</td></tr> <tr> <td><i>Bank Erosion</i></td><td>Active Erosion</td><td>1</td></tr> <tr> <td><i>BEHI</i></td><td>Moderate</td><td>0.5</td></tr> <tr> <td><i>Local NPSP</i></td><td>Obvious Sources</td><td>1.5</td></tr> <tr> <td><i>Shoring Structures</i></td><td>Not Present</td><td>0</td></tr> <tr> <td><i>Pipe Discharge</i></td><td>Not Present</td><td>0</td></tr> <tr> <td><i>Water Odors</i></td><td>Not Present</td><td>0</td></tr> <tr> <td><i>Fish Passage Barrier</i></td><td>Not Present</td><td>0</td></tr> <tr> <td><i>RB: Riparian Buffer</i></td><td>0-29 ft</td><td>0.75</td></tr> <tr> <td><i>LB: Riparian Buffer</i></td><td>100+ ft</td><td>0</td></tr> <tr> <td><i>RB: Floodplain Access</i></td><td>Full</td><td>0</td></tr> <tr> <td><i>LB: Floodplain Access</i></td><td>Full</td><td>0</td></tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>4.25</b></td><td></td></tr> </tbody> </table> |                               |                       | Risk Factor  | Ranking | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active Erosion | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> |  | <b>4.25</b> |  | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>Yes</td><td>N/A</td></tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand, limestone, some clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Sand |  |  | <i>Bank Material:</i> Sand, limestone, some clay |  |  |
| Risk Factor   | Ranking                       | Score                 |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Channel Stability</i>  | Good                          | 0.5                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Channel Alteration</i>   | None                          | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Bank Erosion</i>   | Active Erosion                | 1                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>BEHI</i>   | Moderate                      | 0.5                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Local NPSP</i>   | Obvious Sources               | 1.5                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Shoring Structures</i>   | Not Present                   | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Pipe Discharge</i>   | Not Present                   | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Water Odors</i>  | Not Present                   | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present                   | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft                       | 0.75                  |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft                       | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>RB: Floodplain Access</i>  | Full                          | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>LB: Floodplain Access</i>  | Full                          | 0                     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <b>River Threat Index:</b>  |                               | <b>4.25</b>           |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Feature   | Within Range                  | Descriptive Field     |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| 303(d)  | No                            | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Wetland Species   | No                            | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Rare and Imperiled  | No                            | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Land Use/ Cover   | No                            | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Candidate Mussels   | No                            | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| Sturgeon C.H.   | Yes                           | N/A                   |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <b>Additional Site Features</b>   |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Impoundments:</i> None   |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Substrate Composition:</i> Sand  |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |
| <i>Bank Material:</i> Sand, limestone, some clay  |                               |                       |  |         |       |                          |      |     |                           |      |   |                     |                |   |             |          |     |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |  |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |  |  |  |

Notes: Recreational site and known Gulf Sturgeon spawning location. High sediment load coming from unimproved unpaved Drip Rock Road. Fake (?) surveillance closed circuit cameras installed on surrounding trees. Trash barrels present on shore.

| Five Runs Creek  | co-0923-003  | Severity Score<br><b>3.75</b> |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
|--|--|-------------------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|---------|------|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|---------------------------------------|----------|----------------------|------|-------------------------------|-------------|-----------------------|---------------|--|
| <u>Common:</u> 9.6mi S of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.16969204, -86.484788179<br><u>Land owner:</u> U.S.A- Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-16E-6<br><u>Parcel No.:</u> 1   | <u>State:</u> Alabama         |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <br><b>RB</b>   |  |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Poor</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>3.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                       | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>3.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 5px;"><b>Additional Site Features</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Moderate</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Clay and Sand</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Moderate | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Clay and Sand |  |
| Risk Factor  | Ranking  | Score                         |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Channel Stability</i>   | Poor   | 1.5                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Channel Alteration</i>  | None   | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Bank Erosion</i>  | Active   | 1                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>BEHI</i>  | High   | 1                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Local NPSP</i>  | No Evidence  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Shoring Structures</i>  | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Pipe Discharge</i>  | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Water Odors</i>   | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>RB: Floodplain Access</i>   | Full   | 0                             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>LB: Floodplain Access</i>   | Partial  | 0.25                          |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <b>River Threat Index:</b>   | <b>3.75</b>  |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Feature  | Within Range   | Descriptive Field             |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| 303(d)   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Wetland Species  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Rare and Imperiled   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Land Use/ Cover  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Candidate Mussels  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Sturgeon C.H.  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Stream Channel Woody Material:</i>  | Moderate   |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Impoundments:</i>   | None   |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Substrate Composition:</i>  | Medium Sand  |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Bank Material:</i>  | Clay and Sand  |                               |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |

Notes: Active erosion but with some new growth on bank.

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| Yellow River   | co-0813-003  | Severity Score<br>3.25                                       |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
|--|--|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|---------------------------------------|------------|----------------------|------|-------------------------------|-------------|-----------------------|------------|--|
| <u>Common:</u> 9.9mi SW of Opp<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.171195284, -86.364996603<br><u>Land owner:</u> T. Ivey Powell & Sons Inc.   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-17E-5<br><u>Parcel No.:</u> 1/478AC | <u>State:</u> Alabama  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <br><b>RB</b>   |      |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Fair</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Active</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Moderate</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">0-29 ft</td><td style="padding: 5px;">0.75</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 5px;"><b>3.25</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>3.25</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A/<br/>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;">Additional Site Features</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><i>Stream Channel Woody Material:</i></td><td style="width: 50%;">Infrequent</td></tr> <tr> <td><i>Impoundments:</i></td><td>None</td></tr> <tr> <td><i>Substrate Composition:</i></td><td>Medium Sand</td></tr> <tr> <td><i>Bank Material:</i></td><td>Sandy Loam</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Infrequent | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sandy Loam |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Channel Stability</i>   | Fair   | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Bank Erosion</i>  | Active   | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>BEHI</i>  | Moderate   | 0.5  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft  | 0.75   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <b>River Threat Index:</b>   | <b>3.25</b>  |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Feature  | Within Range   | Descriptive Field  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| 303(d)   | No   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Wetland Species  | No   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Rare and Imperiled   | No   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Land Use/ Cover  | Yes  | N/A/<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Candidate Mussels  | No   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| Sturgeon C.H.  | No   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Stream Channel Woody Material:</i>  | Infrequent   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Impoundments:</i>   | None   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Substrate Composition:</i>  | Medium Sand  |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |
| <i>Bank Material:</i>  | Sandy Loam   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |            |                      |      |                               |             |                       |            |  |

Notes: Large reach of active erosion.

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| Five Runs Creek   | co-0924-004  | Severity Score<br><b>2.75</b> |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
|---|--|-------------------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|--------------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|-----|--------------|---------------|----|-----|---------------------------------------|----------|----------------------|------|-------------------------------|-------------|-----------------------|---------------|--|
| <u>Common:</u> 10.1mi SE of Libertyville<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.102740262, -86.516591809<br><u>Land owner:</u> USA   | <u>County:</u> Covington<br><u>PLSS:</u> 2N-15E-26<br><u>Parcel No.:</u> 1         | <u>State:</u> Alabama         |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <br><b>RB</b>  |  |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Low-Very Low</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>2.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                       | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Low-Very Low | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">CHOCTAW BEAN</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 5px;">Additional Site Features</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Moderate</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand and Clay</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | Yes | CHOCTAW BEAN | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Moderate | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand and Clay |  |
| Risk Factor   | Ranking  | Score                         |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Channel Stability</i>  | Fair   | 1                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Channel Alteration</i>   | None   | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Bank Erosion</i>   | Active   | 1                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>BEHI</i>   | Low-Very Low   | 0.5                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Local NPSP</i>   | No Evidence  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Shoring Structures</i>   | Not Present  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Water Odors</i>  | Not Present  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25                          |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <b>River Threat Index:</b>  | <b>2.75</b>  |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Feature   | Within Range   | Descriptive Field             |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| 303(d)  | No   | N/A                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Wetland Species   | No   | N/A                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Rare and Imperiled  | No   | N/A                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Land Use/ Cover   | No   | N/A                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Candidate Mussels   | Yes  | CHOCTAW BEAN                  |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| Sturgeon C.H.   | No   | N/A                           |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Stream Channel Woody Material:</i>   | Moderate   |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Impoundments:</i>  | None   |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Substrate Composition:</i>   | Medium Sand  |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |
| <i>Bank Material:</i>   | Sand and Clay  |                               |       |                          |      |   |                           |      |   |                     |        |   |             |              |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |     |              |               |    |     |                                       |          |                      |      |                               |             |                       |               |  |

Notes: None

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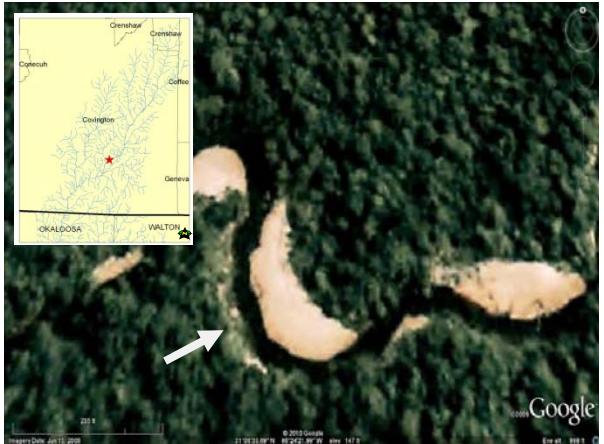
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| Yellow River  | co-0807-003  | Severity Score<br><b>2.5</b>   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|---------------------------------------|----------|----------------------|------|-------------------------------|-------------|-----------------------|------|--|
| <u>Common:</u> 13mi SW of Opp<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.142389417, -86.406474785<br><u>Land owner:</u> RB: USA / LB: James & Patricia Caton   | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-13<br><u>Parcel No.:</u> RB: 2 LB: 3 | <u>State:</u> Alabama  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <br>LB   |    |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Active</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Moderate</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">50-99 ft</td><td style="padding: 5px;">0.25</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Partial</td><td style="padding: 5px;">0.25</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>2.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A / EAST GULF COASTAL PLAIN<br/>SMALL STREAM AND RIVER<br/>FLOODPLAIN FOREST</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 5px;">Additional Site Features</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Moderate</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER<br>FLOODPLAIN FOREST | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Moderate | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Bank Erosion</i>   | Active   | 1  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>BEHI</i>   | Moderate   | 0.5  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Shoring Structures</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft   | 0.25   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>RB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <b>River Threat Index:</b>  | <b>2.5</b>   |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| 303(d)  | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Wetland Species   | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Rare and Imperiled  | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Land Use/ Cover   | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER<br>FLOODPLAIN FOREST |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Candidate Mussels   | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| Sturgeon C.H.   | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Stream Channel Woody Material:</i>   | Moderate   |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Impoundments:</i>  | None   |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Substrate Composition:</i>   | Medium Sand  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Bank Material:</i>   | Sand   |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
| <u>Notes:</u> Numerous deposits and some bank erosion present.  |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
|   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
|   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |
|   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |                                       |          |                      |      |                               |             |                       |      |  |

| Yellow River  | co-0805-004  | Severity Score<br><b>2.25</b>                              |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 11.3mi SE of Carolina<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.079379625, -86.489218786<br><u>Land owner:</u> RB: USA / LB: James & Patricia Battles  | <u>County:</u> Covington<br><u>PLSS:</u> 1N-16E-6<br><u>Parcel No.:</u> 2 / 1      | <u>State:</u> Alabama                                      |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>LB   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Active</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Moderate</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Partial</td><td style="padding: 5px;">0.25</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 5px;"><b>2.25</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.25</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A / UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS- MERCURY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>2.25</b>  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)  | Yes  | METALS- MERCURY  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species   | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled  | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover   | Yes  | N/A / UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels   | No   | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.   | Yes  | N/A  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |  |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Numerous amounts of large woody debris and deep pools.

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| Five Runs Creek  | co-0924-001  | Severity Score<br>2.25 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
|--|--|------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|---------|------|-----------------------|------|---|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 7mi S of Libertyville<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.147578049, -86.482247038<br><u>Land owner:</u> USA- Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-7<br><u>Parcel No.:</u> 1          | <u>State:</u> Alabama  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <br>LB  |  |                        |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
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| Risk Factor  | Ranking  | Score                  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Channel Stability  | Good   | 0.5                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Channel Alteration   | None   | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Bank Erosion   | Active   | 1                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| BEHI   | Moderate   | 0.5                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Local NPSP   | No Evidence  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Shoring Structures   | Not Present  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Pipe Discharge   | Not Present  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Water Odors  | Not Present  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Fish Passage Barrier   | Not Present  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| RB: Riparian Buffer  | 100+ ft  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| LB: Riparian Buffer  | 100+ ft  | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| RB: Floodplain Access  | Partial  | 0.25                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| LB: Floodplain Access  | Full   | 0                      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>   | <b>2.25</b>  |                        |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field      |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Land Use/ Cover  | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A                    |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |

Notes: None

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| Yellow River  | co-0805-002   | Severity Score<br>1.75   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
|---|---|--------------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--------------------------|-------------------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 10.8mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.082140978, -86.486431767<br><u>Land owner:</u> RB: USA-Conecuh Nat Forest/LB: James & Patricia Battles  | <u>County:</u> Covington<br><u>PLSS:</u> 1N-16E-6<br><u>Parcel No.:</u> 2/1                         | <u>State:</u> Alabama    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <br>LB   | <br>© 2013 Google |                          |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
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| Risk Factor   | Ranking   | Score                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Channel Stability</i>  | Good  | 0.5                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Channel Alteration</i>   | None  | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Bank Erosion</i>   | Historic  | 0.5                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>BEHI</i>   | Moderate  | 0.5                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Local NPSP</i>   | No Evidence   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Shoring Structures</i>   | Not Present   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Pipe Discharge</i>   | Not Present   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Water Odors</i>  | Not Present   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft   | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft  | 0.25                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>RB: Floodplain Access</i>  | Full  | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <i>LB: Floodplain Access</i>  | Full  | 0                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| <b>River Threat Index:</b>  | <b>1.75</b>   |                          |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Feature   | Within Range  | Descriptive Field        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| 303(d)  | Yes   | METALS- MERCURY          |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Wetland Species   | No  | N/A                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Rare and Imperiled  | No  | N/A                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Land Use/ Cover   | Yes   | N/A / OPEN WATER (FRESH) |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Candidate Mussels   | No  | N/A                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |
| Sturgeon C.H.   | Yes   | N/A                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |   |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |     |                          |                   |    |     |               |     |     |  |

Notes: Some bank erosion apparent, may be natural meander bend incision.

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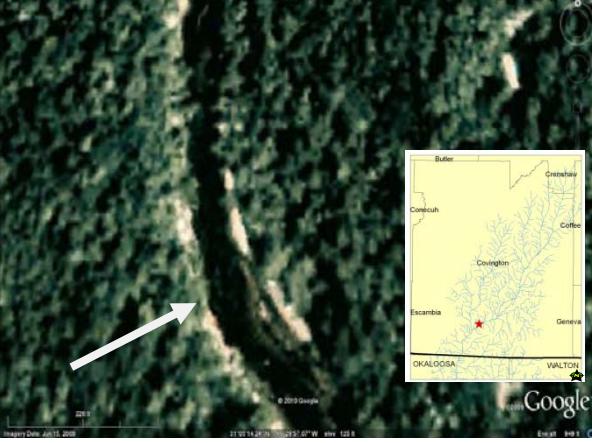
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| Yellow River  | co-0805-001  | Severity Score<br>1.75 |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
|---|--|------------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|-----|-----|---------------------------------------|----------|----------------------|------|-------------------------------|-------------|-----------------------|------|--|
| <u>Common:</u> 10.7mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.087333225, -86.483012892<br><u>Land owner:</u> RB: USA / LB: James & Patricia Battles   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-16E-6<br><u>Parcel No.:</u> 2/1        | <u>State:</u> Alabama  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <br><b>RB</b>  |  |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>1.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;">Additional Site Features</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Numerous</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS- MERCURY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <i>Stream Channel Woody Material:</i> | Numerous | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand |  |
| Risk Factor   | Ranking  | Score                  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Channel Stability</i>  | Good   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Channel Alteration</i>   | None   | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Bank Erosion</i>   | Historic   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>BEHI</i>   | Moderate   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Local NPSP</i>   | No Evidence  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Shoring Structures</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Water Odors</i>  | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <b>River Threat Index:</b>  | <b>1.75</b>  |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Feature   | Within Range   | Descriptive Field      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| 303(d)  | Yes  | METALS- MERCURY        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Wetland Species   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Rare and Imperiled  | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Land Use/ Cover   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Candidate Mussels   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| Sturgeon C.H.   | Yes  | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Stream Channel Woody Material:</i>   | Numerous   |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Impoundments:</i>  | None   |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Substrate Composition:</i>   | Medium Sand  |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |
| <i>Bank Material:</i>   | Sand   |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |          |                      |      |                               |             |                       |      |  |

Notes: Some bank erosion apparent, possibly natural meander bend.

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| Yellow River   | co-0807-005  | Severity Score<br>1.75  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
|--|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|---------|------|----------------------------|--|-------------|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 7.5mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.140787696, -86.408113426<br><u>Land owner:</u> RB: USA/ LB: James & Patricia Caton   | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-13<br><u>Parcel No.:</u> 2/3       | <u>State:</u> Alabama   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <br>LB  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>1.75</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> |  | <b>1.75</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / EAST GULF COASTAL PLAIN<br/>SMALL STREAM AND RIVER FLOODPLAIN FOREST</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> None<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A |  |
| Risk Factor  | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Good   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | None   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | Historic   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | Moderate   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>  | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | Partial  | 0.25  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   |  | <b>1.75</b>   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| Feature  | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |

Notes: Some erosion and fresh deposits across the channel. Top of left bank is vegetated with grasses which have shallow roots making this site more prone to erosion.

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| Yellow River  | co-0807-004  | Severity Score<br>1.75                                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 7.5mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.141633378, -86.408140513<br><u>Land owner:</u> RB: USA/ LB: James & Patricia Caton  | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-13<br><u>Parcel No.:</u> 2/3       | <u>State:</u> Alabama                                       |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>RB</b>  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>1.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A<br/>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | N/A<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>1.75</b>  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: None

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| Yellow River   | co-0807-002  | Severity Score<br>1.75 |                                       |              |   |
|--|--|------------------------|---------------------------------------|--------------|---|
| <u>Common:</u> 7.6mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.142995678, -86.404404093<br><u>Land owner:</u> Patricia Vick Moody |  |                        |                                       |              |   |
|   |  |                        |                                       |              |   |
| <b>LB</b>  |  |                        |                                       |              |   |
| Risk Factor  | Ranking  | Score                  | Feature                               | Within Range | Descriptive Field   |
| <i>Channel Stability</i>   | Good   | 0.5                    | 303(d)                                | No           | N/A   |
| <i>Channel Alteration</i>  | None   | 0                      | Wetland Species                       | No           | N/A   |
| <i>Bank Erosion</i>  | Historic   | 0.5                    | Rare and Imperiled                    | No           | N/A   |
| <i>BEHI</i>  | Moderate   | 0.5                    | Land Use/ Cover                       | Yes          | N/A<br>EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| <i>Local NPSP</i>  | No Evidence  | 0                      | Candidate Mussels                     | No           | N/A   |
| <i>Shoring Structures</i>  | Not Present  | 0                      | Sturgeon C.H.                         | No           | N/A   |
| <i>Pipe Discharge</i>  | Not Present  | 0                      | <b>Additional Site Features</b>       |              |   |
| <i>Water Odors</i>   | Not Present  | 0                      | <i>Stream Channel Woody Material:</i> | Moderate     |   |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                      | <i>Impoundments:</i>                  | None         |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                      | <i>Substrate Composition:</i>         | Medium Sand  |   |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0                      | <i>Bank Material:</i>                 | Sand         |   |
| <i>RB: Floodplain Access</i>   | Full   | 0                      |                                       |              |   |
| <i>LB: Floodplain Access</i>   | Partial  | 0.25                   |                                       |              |   |
| <b>River Threat Index:</b>   |  | <b>1.75</b>            |                                       |              |   |

Notes: Some erosion is apparent, but may be due to natural meander incision.

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| Yellow River  | co-0609-010  | Severity Score<br>1.5 |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
|---|--|-----------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|---------------|---|-------------------|--------|-----|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|-----|-----|---------------------------------------|------------|----------------------|------|-------------------------------|-------------|-----------------------|------|--|
| <u>Common:</u> 12.5 W of Florala<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.001583541, -86.5380255<br><u>Land owner:</u> RB: Rayonier Woodlands LLC / LB: Unknown  | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-34<br><u>Parcel No.:</u> 7         | <u>State:</u> Alabama |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <br><b>RB</b>  |  |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Low- Very Low</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Slight</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>1.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking               | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Low- Very Low | 0 | <i>Local NPSP</i> | Slight | 0.5 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;">Additional Site Features</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Infrequent</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS- MERCURY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <i>Stream Channel Woody Material:</i> | Infrequent | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand |  |
| Risk Factor   | Ranking  | Score                 |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Channel Stability</i>  | Good   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Bank Erosion</i>   | Historic   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>BEHI</i>   | Low- Very Low  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Local NPSP</i>   | Slight   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| 303(d)  | Yes  | METALS- MERCURY       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Wetland Species   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Rare and Imperiled  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Land Use/ Cover   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Candidate Mussels   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| Sturgeon C.H.   | Yes  | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Stream Channel Woody Material:</i>   | Infrequent   |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Impoundments:</i>  | None   |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Substrate Composition:</i>   | Medium Sand  |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |
| <i>Bank Material:</i>   | Sand   |                       |       |                          |      |     |                           |      |   |                     |          |     |             |               |   |                   |        |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |                                       |            |                      |      |                               |             |                       |      |  |

Notes: None

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| Yellow River  | co-0813-002  | Severity Score<br>1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|--|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------------|--|--|--|
| <u>Common:</u> 7.3mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.174777403, -86.362564852<br><u>Land owner:</u> T. Ivey Powell & Sons Inc  | <u>County:</u> Covington<br><u>PLSS:</u> 2N-17E-5<br><u>Parcel No.:</u> 1          | <u>State:</u> Alabama  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <br><b>RB</b>  |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>1.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A/<br/>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Bank Material:</i> Silty Loam</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | N/A/<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Silty Loam |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>303(d)</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Wetland Species</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Rare and Imperiled</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A/<br>UPLAND LONGLEAF PINE WOODLAND - OPEN UNDERSTORY MODI |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Impoundments:</i> None   |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |
| <i>Bank Material:</i> Silty Loam  |  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                  |  |  |  |

Notes: None

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| Yellow River  | co-0609-002   | Severity Score<br>1   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
|---|---|---|---------|--------------|--------------------------|---------------|-----|---------------------------|------------------------|----|---------------------|---------------------------|-----|-------------|------------------------|----|-------------------|--------------------------|----|---------------------------|----------------------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|--|
| <u>Common:</u> 1.3mi SW of Horn Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.0578726, -86.5108143<br><u>Land owner:</u> LB: Nathaniel Wright, Tr. / RB: USA   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-13<br><u>Parcel No.:</u> 2/ 3 | <u>State:</u> Alabama   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <br><b>LB</b>  |   |   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Historic</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Low-Very Low</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px; text-align: right;"><b>River Threat Index:</b></td><td style="padding: 5px; text-align: center;"><b>1</b></td><td></td></tr> </tbody> </table> |   | Risk Factor   | Ranking | Score        | <i>Channel Stability</i> | Good          | 0.5 | <i>Channel Alteration</i> | None                   | 0  | <i>Bank Erosion</i> | Historic                  | 0.5 | <i>BEHI</i> | Low-Very Low           | 0  | <i>Local NPSP</i> | No Evidence              | 0  | <i>Shoring Structures</i> | Not Present          | 0   | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1</b> |  |  |
| Risk Factor   | Ranking   | Score   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Channel Stability</i>  | Good  | 0.5   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Channel Alteration</i>   | None  | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Bank Erosion</i>   | Historic  | 0.5   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>BEHI</i>   | Low-Very Low  | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Local NPSP</i>   | No Evidence   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Shoring Structures</i>   | Not Present   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Pipe Discharge</i>   | Not Present   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Water Odors</i>  | Not Present   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft   | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>RB: Floodplain Access</i>  | Full  | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>LB: Floodplain Access</i>  | Full  | 0   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>River Threat Index:</b>  | <b>1</b>  |   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <p>Notes: New growth on bank degradation</p> <hr/> <hr/> <hr/> <hr/>  |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><b>303(d)</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 5px;"><b>Wetland Species</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Rare and Imperiled</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Land Use/ Cover</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Candidate Mussels</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Sturgeon C.H.</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A</td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Infrequent<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand and Roots     </p> | Feature | Within Range | Descriptive Field        | <b>303(d)</b> | Yes | METALS- MERCURY           | <b>Wetland Species</b> | No | N/A                 | <b>Rare and Imperiled</b> | No  | N/A         | <b>Land Use/ Cover</b> | No | N/A               | <b>Candidate Mussels</b> | No | N/A                       | <b>Sturgeon C.H.</b> | Yes | N/A                   |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| Feature   | Within Range  | Descriptive Field   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>303(d)</b>   | Yes   | METALS- MERCURY   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>Wetland Species</b>  | No  | N/A   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>Rare and Imperiled</b>   | No  | N/A   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>Land Use/ Cover</b>  | No  | N/A   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>Candidate Mussels</b>  | No  | N/A   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>Sturgeon C.H.</b>  | Yes   | N/A   |         |              |                          |               |     |                           |                        |    |                     |                           |     |             |                        |    |                   |                          |    |                           |                      |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |

| Yellow River  | co-0805-003  | Severity Score<br>1.75 |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
|---|--|------------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 10.9mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.081969381, -86.487947841<br><u>Land owner:</u> RB: USA / LB: James & Patricia Battles   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-16E-6<br><u>Parcel No.:</u> 2/1        | <u>State:</u> Alabama  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <br><b>RB</b>  |  |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">50-99 ft</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>1.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS- MERCURY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> |
| Risk Factor   | Ranking  | Score                  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Channel Stability</i>  | Good   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Channel Alteration</i>   | None   | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Bank Erosion</i>   | Historic   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>BEHI</i>   | Moderate   | 0.5                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Water Odors</i>  | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft   | 0.25                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <b>River Threat Index:</b>  | <b>1.75</b>  |                        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Feature   | Within Range   | Descriptive Field      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| 303(d)  | Yes  | METALS- MERCURY        |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Wetland Species   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Rare and Imperiled  | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Land Use/ Cover   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Candidate Mussels   | No   | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Sturgeon C.H.   | Yes  | N/A                    |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |

Notes: Some bank erosion apparent may be natural meander incision. Large aggradational site across channel could indicate some channel instability.

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| Unnamed tributary  | co-0810-r-017   | Sedimentation Risk Index<br><b>30</b> |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|--|---|---------------------------------------|-------|-------------------------|------------|---|-------------------------|--------|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 9.5mi S of Andalusia<br><u>Drainage:</u> Hog Foot Creek <u>GPS:</u> 31.172308, -86.510336<br><u>Land owner:</u> Harold & Elizabeth Barrow DS, Beatrice & Fred Forte - US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-15E-1<br><u>Parcel No.:</u> 6; 3<br><u>Road Name:</u> Groger Rd | <u>State:</u> Alabama                 |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   |                                   | <b>DS</b>                             |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| Crossing Structure: DS   |   |                                       |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
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| Risk Factor  | Ranking   | Score                                 |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>  | BEAVER DAM  | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>  | PONDED  | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>   | 0.21-0.40   | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1                                     |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>SRI Total</b>   | <b>High Risk</b>  | <b>30</b>                             |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BoB,DmB,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.2in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>   | <b>Feature</b>  | <b>Within Range</b>                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | 303(d)  | No                                    |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | Wetland Species   | No                                    |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | Rare and Imperiled  | Yes                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | Land Use/ Cover   | Yes                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | Candidate Mussels   | No                                    |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  | Sturgeon C.H.   | No                                    |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | N/A                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | N/A                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | IRONCOLOR SHINER                      |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | N/A/ PASTURE/HAY                      |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | N/A                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|  |   | N/A                                   |       |                         |            |   |                         |        |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |

Notes: DS channel parallels private pond.

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# Boggy Creek

co-0810-r-019

Sedimentation Risk Index  
**34**

Common: 11.0mi SW of Andalusia  
Drainage: Hog Foot Creek  
Land owner: Judith Anderson

GPS: 31.154053, -86.538403

County: Covington  
PLSS (T-R-S): 2N-15E-10  
Parcel No.: 2.01  
Road Name: Hog Foot Rd

State: Alabama



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoC,CdC,DmB,MBA  
Rt Approach Prism Fill: 0.3in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | Yes          | IRONCOLOR SHINER    |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: Receiving large sediment loads from outlets.

| Unnamed tributary   | co-0901-r-014   | Sedimentation Risk Index<br><b>34</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 7.9mi SE of Andalusia<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.185399140, -86.402745904<br><u>Land owner:</u> Opal Couch  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-36<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Nature Rd | <u>State:</u> Alabama                  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: US   | <br>US                          |  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td>1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>High Risk</b></td><td style="text-align: right;"><b>34</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> CdB,CdC,FoA,FuB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.2in</p> | Risk Factor   | Ranking                                | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>34</b> | <br>Google | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/Cover</td> <td>Yes</td> <td>N/A/ PASTURE/HAY, DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/Cover | Yes | N/A/ PASTURE/HAY, DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score                                  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C   | 5                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | C   | 5                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | >30°  | 1                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Unimproved Outlet System  | 1                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1                                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>High Risk</b>  | <b>34</b>                              |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                      |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| 303(d)  | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Land Use/Cover  | Yes   | N/A/ PASTURE/HAY, DEVELOPED OPEN SPACE |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                |     |  |                   |    |     |               |    |     |

Notes: Cattle access.

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# Rum Creek

co-0729-r-001

Sedimentation Risk Index  
**36**

Common: 6.7mi NW of Laurel Hill  
Drainage: Yellow River GPS: 31.029717, -86.545514  
Land owner: USA – Conecuh National Forest

County: Covington  
PLSS (T-R-S): 1N-15E-22  
Parcel No.: 3  
Road Name: Sanders Rd

State: Alabama



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: EuA, IbA, LuB, LyA, MBA, TrD  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Close proximity to YR main stem

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| Unnamed tributary   | co-0810-r-005   | <i>Sedimentation Risk Index</i><br><b>36</b> |   |
|---|---|--|---|
| <u>Common:</u> 9.0mi N of Laurel Hill<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.092025, -86.500908<br><u>Land owner:</u> USA- Conecuh Nat. Forest | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-15E-36<br><u>Parcel No.:</u> 4<br><u>Road Name:</u> Bass Rd | <u>State:</u> Alabama                        |   |
|    |                               | <b>DS</b>                                    |   |
| Crossing Structure: US  |   |  |   |
| Risk Factor   | Ranking   | Score  |  |
| <i>US Channel Morph</i>   | DA  | 3  |   |
| <i>DS Channel Morph</i>   | DA  | 3  |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |   |
| <i>Upstream Skew Angle</i>  | >30°  | 1  |   |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |   |
| <i>Inlet/Outlet Condition</i>   | Blocked   | 1  |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |   |
| <i>Approach Slope Mean</i>  | <2%   | 5  |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |   |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |   |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |   |
| <i>Upstream Rt Ditch</i>  | Vegetated   | 1  |   |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |   |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |   |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0  |   |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |   |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3  |   |
| <b>SRI Total</b>  | <b>High Risk</b>  | <b>36</b>                                    |   |
| <b>Additional Site Features</b>   |   |  |   |
| <u>Crossing Type and Quantity:</u>  | Culvert, 1  |  |   |
| <u>Crossing Materials:</u>  | Metal   |  |   |
| <u>Soil Types:</u>  | BoB, BoC, FoA, FuB  |  |   |
| <u>Rt Approach Prism Fill:</u>  | 0.25in  |  |   |
| <u>Lt Approach Prism Fill:</u>  | 0.25in  |  |   |
| Feature   | Within Range  | Descriptive Field                            |   |
| 303(d)  | No  | N/A  |   |
| Wetland Species   | No  | N/A  |   |
| Rare and Imperiled  | No  | N/A  |   |
| Land Use/ Cover   | No  | N/A  |   |
| Candidate Mussels   | No  | N/A  |   |
| Sturgeon C.H.   | No  | N/A  |   |

Notes: Buried culvert.

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# Yellow River

co-0901-r-018

Sedimentation Risk Index  
**36**

Common: 10.6mi NW of Flora  
Drainage: Blackwater Bay GPS: 31.151966691, -86.380550391  
Land owner: T. Ivey Powell & Sons Inc

County: Covington State: Alabama  
PLSS (T-R-S): 2N-17E-7  
Parcel No.: 3  
Road Name: Cravey Bridge Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: BgA,EuA,FoA,IbA  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field                |
|--------------------|--------------|----------------------------------|
| 303(d)             | No           | N/A                              |
| Wetland Species    | No           | N/A                              |
| Rare and Imperiled | No           | N/A                              |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY              |
| Candidate Mussels  | Yes          | SOUTHERN SANDSHELL, CHOCTAW BEAN |
| Sturgeon C.H.      | No           | N/A                              |

Notes: None

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| Unnamed tributary   | co-0810-r-001  | Sedimentation Risk Index<br><b>38</b>  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|---|--|--|-------|-------------------------|---------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|--------------|---|-------------------------------|----------------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 6.3mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Charles Barton  | <u>GPS:</u> 31.023509, -86.541454  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-27<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Sanders Rd |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US |  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>WETLAND</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>B</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Native Soil</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>38</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | B | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <br>US | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND- OPEN UNDERSTORY MODI</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | WETLAND  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | B  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Native Soil  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>38</b>  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI                     |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> EuA, IbA, KaA, IbA, LyA, MBA<br/> <u>Rt Approach Prism Fill:</u> 1.0in<br/> <u>Lt Approach Prism Fill:</u> 2.5in         </p>   |  |  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |              |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: Low flow. Close proximity to YR main stem.

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| Unnamed tributary  | co-0810-r-006  | Sedimentation Risk Index<br><b>38</b>  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
|--|--|--|-------|-------------------------|----|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 8.8mi N of Laurel Hill<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Kermit George   | <u>GPS:</u> 31.084900, -86.501000  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-1<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Bass Rd |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS |  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>US Channel Morph</i></td><td style="padding: 2px;">DA</td><td style="padding: 2px;">3</td></tr> <tr> <td style="padding: 2px;"><i>DS Channel Morph</i></td><td style="padding: 2px;">C</td><td style="padding: 2px;">5</td></tr> <tr> <td style="padding: 2px;"><i>DS Bank Alteration</i></td><td style="padding: 2px;">HIGH</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Upstream Skew Angle</i></td><td style="padding: 2px;">5-30°</td><td style="padding: 2px;">3</td></tr> <tr> <td style="padding: 2px;"><i>Crossing fill condition</i></td><td style="padding: 2px;">Poor/Bare soil</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Inlet/Outlet Condition</i></td><td style="padding: 2px;">No Impairment</td><td style="padding: 2px;">5</td></tr> <tr> <td style="padding: 2px;"><i>Road Approach Material</i></td><td style="padding: 2px;">All Sand/Clay</td><td style="padding: 2px;">3</td></tr> <tr> <td style="padding: 2px;"><i>Potential Eroded Volume Mean</i></td><td style="padding: 2px;">&lt;21 y³</td><td style="padding: 2px;">5</td></tr> <tr> <td style="padding: 2px;"><i>Approach Slope Mean</i></td><td style="padding: 2px;">2.1-4%</td><td style="padding: 2px;">3</td></tr> <tr> <td style="padding: 2px;"><i>Soil K Factor</i></td><td style="padding: 2px;">&lt;0.20</td><td style="padding: 2px;">5</td></tr> <tr> <td style="padding: 2px;"><i>Upstream Rt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Upstream Lt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Upstream Rt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Upstream Lt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Downstream Rt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Downstream Lt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Downstream Rt Ditch</i></td><td style="padding: 2px;">Synthetic</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Downstream Lt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Outlet Total</i></td><td style="padding: 2px;">Unimproved Outlet System</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Ditches Total</i></td><td style="padding: 2px;">Partially Improved Drainage System</td><td style="padding: 2px;">3</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>SRI Total</b></td><td style="text-align: right; padding: 2px;"><b>Medium Risk</b></td><td style="text-align: right; padding: 2px;"><b>38</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB, BoC, FoA, FuB, MBA, RaA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Synthetic | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <br>DS | <table border="1" style="width: 100%; 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| Risk Factor  | Ranking  | Score  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | DA   | 3  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | C  | 5  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Synthetic  | 1  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Unimproved Outlet System   | 1  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>38</b>  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| 303(d)   | No   | N/A  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Rare and Imperiled   | No   | N/A  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes  | N/A/<br>DEVELOPED OPEN SPACE   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A  |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |

Notes: Road actively eroding over culvert.

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| Unnamed tributary  | co-0810-r-002                      | <i>Sedimentation Risk Index</i><br><b>40</b>   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|--|------------------------------------|--|-------------|--------------|-------------------|-------------------------|----|-----|-------------------------|----|-----|---------------------------|------|-----|----------------------------|-------|-----|--------------------------------|----------------|-----|-------------------------------|----------------------|-----|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 6.2mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Charles Barton   | <u>GPS:</u> 31.021944, -86.541336  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-27<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Sanders Rd |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|  |                                    |  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|   |                                    |                                  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Crossing Structure: DS   |                                    | DS   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Native Soil</td><td>1</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Synthetic</td><td>1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> |                                    |  | Risk Factor | Ranking      | Score             | <i>US Channel Morph</i> | E  | 5   | <i>DS Channel Morph</i> | E  | 5   | <i>DS Bank Alteration</i> | HIGH | 1   | <i>Upstream Skew Angle</i> | 5-30° | 3   | <i>Crossing fill condition</i> | Poor/Bare soil | 1   | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3   | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Synthetic | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |
| Risk Factor  | Ranking                            | Score  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>US Channel Morph</i>  | E                                  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Channel Morph</i>  | E                                  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | HIGH                               | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | 5-30°                              | 3  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Poor/Bare soil                     | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring               | 3  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Native Soil                    | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | <21 y³                             | 5  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | <2%                                | 5  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20                              | 5  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Vegetated                          | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Bare soil                          | 0  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Bare soil                          | 0  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Bare soil                          | 0  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Vegetated                          | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Bare soil                          | 0  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Synthetic                          | 1  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Bare soil                          | 0  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Ditches Total</i>   | Partially Improved Drainage System | 3  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>                 | <b>40</b>  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> EuA, IbA, KaA, IbA, LyA, MBA<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in     </p>  |                                    |  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|   |                                    |  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table>   |                                    |  | Feature     | Within Range | Descriptive Field | 303(d)                  | No | N/A | Wetland Species         | No | N/A | Rare and Imperiled        | No   | N/A | Land Use/ Cover            | No    | N/A | Candidate Mussels              | No             | N/A | Sturgeon C.H.                 | No                   | N/A |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Feature  | Within Range                       | Descriptive Field  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| 303(d)   | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Wetland Species  | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Rare and Imperiled   | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Land Use/ Cover  | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Candidate Mussels  | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Sturgeon C.H.  | No                                 | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |     |                                |                |     |                               |                      |     |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |

Notes: Aggregate has washed DS and formed an island.

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| Unnamed tributary  | co-0810-r-009  | Sedimentation Risk Index<br><b>40</b>                    |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|--|--|--|---|-------------------------|----|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|--------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 8.2mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.072219, -86.520719<br><u>Land owner:</u> R.Wayne & Dewain Bass-US, Linda Kloter-DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-11<br><u>Parcel No.:</u> 2; 2.02<br><u>Road Name:</u> Bass Rd      | <u>State:</u> Alabama                                    |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|   |    |  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: US   | US   |  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>40</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | DA   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | DA   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Wood<br><u>Soil Types:</u> BoB,BoC,DmB,FoA,FuB,LuB,MBA,OrB<br><u>Rt Approach Prism Fill:</u> 0.10in<br><u>Lt Approach Prism Fill:</u> 0.25in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>DEVELOPED OPEN SPACE<br>N/A<br>N/A |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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| Unnamed tributary   | co-0810-r-011  | <i>Sedimentation Risk Index</i><br><b>40</b>             |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
|---|--|--|---|-------------------------|----|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 13.0mi NW of Flora<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.136572, -86.483358<br><u>Land owner:</u> USA-Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-18<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Shiloh Cemetery Rd | <u>State:</u> Alabama                                    |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
|    |    |  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| Crossing Structure: US  | US   |  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th><th style="text-align: left;">Ranking</th><th style="text-align: right;">Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td style="text-align: right;">3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Synthetic</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td style="text-align: right;">5</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td style="text-align: right;">3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Synthetic | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Synthetic  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>  |   |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> BoC,FoA,JbA,LyA,RaA<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.5in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER<br>N/A<br>N/A |                         |    |   |                         |    |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |

Notes: None

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# Hog Foot Creek

co-0810-r-018

Sedimentation Risk Index  
**40**

Common: 9.8mi S of Andalusia  
Drainage: Five Runs Creek GPS: 31.168303, -86.519333  
Land owner: USA-Conecuh Nat. Forest

County: Covington  
PLSS (T-R-S): 2N-15E-2  
Parcel No.: 5  
Road Name: Hog Foot Rd

State: Alabama



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1; Culvert, 1  
Crossing Materials: Reinforced Concrete; Metal  
Soil Types: BoB,BoC,DmB,EuA,FoA,JbA,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | Yes          | IRONCOLOR SHINER  |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Culvert approx. 150 ft north of the bridge crossing. Dry and rip rap-filled.

| Unnamed tributary   | co-0810-r-021  | <i>Sedimentation Risk Index</i><br><b>40</b>                     |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|---|-------------------------|---------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 12.6mi SW of Andalusia<br><u>Drainage:</u> Persimmon Creek <u>GPS:</u> 31.139772, -86.567758<br><u>Land owner:</u> USA-Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-15E-17<br><u>Parcel No.:</u> 4<br><u>Road Name:</u> Hog Foot Rd  | <u>State:</u> Alabama  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|    |    |  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS  | DS   |  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td style="text-align: right;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td style="text-align: right;">3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td style="text-align: right;">3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | WETLAND  | 5  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>  |   |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoB,BoC,DmB,MBA,TrB,TrD<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 2.0in   | <b>Feature</b><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b> | <b>Within Range</b><br>No<br>No<br>Yes<br>Yes<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>IRONCOLOR SHINER<br>N/A EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST<br>N/A<br>N/A |                         |         |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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| Unnamed tributary   | co-0901-r-013   | <i>Sedimentation Risk Index</i><br><b>40</b>   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|---|---|--|---------|--------------|-------------------------|------------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|---------|---|--------------------------|-----------|---|--------------------------|---------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 9.1mi SE of Andalusia<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.190133365, -86.405117679<br><u>Land owner:</u> Rayonier Woodlands LLC  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-36<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Nature Rd | <u>State:</u> Alabama  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|   |   |  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|    |   |    |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Crossing Structure: US  |   | US   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>BEAVER DAM</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Native Soil</td><td>1</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>40</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | BEAVER DAM | 3  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | NATURAL            | 5  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i> | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Rip Rap | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Rip Rap | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor   | Ranking   | Score  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | BEAVER DAM  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | E   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | NATURAL   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | >30°  | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Native Soil   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Rip Rap   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Rip Rap   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdC,FoA,FuB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.5in     </p>  |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>PASTURE/HAY</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)     | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>PASTURE/HAY            | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| 303(d)  | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Wetland Species   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Rare and Imperiled  | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Land Use/ Cover   | Yes   | N/A/<br>PASTURE/HAY  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Candidate Mussels   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |

Notes: None

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| Unnamed tributary  | co-0810-r-003  | Sedimentation Risk Index<br><b>42</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
|--|--|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|-----|------------------|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 6.1mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Charles Barton   | <u>GPS:</u> 31.018119,-86.540964   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-27<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Sanders Rd |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS |  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
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text-align: right;"><b>SRI Total</b></td><td style="padding: 2px; text-align: right;"><b>Medium Risk</b></td><td style="padding: 2px; text-align: right;"><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> EuA, JbA, KaA, IbA, LyA, MBA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | B | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Synthetic | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>Google | <table border="1" style="width: 100%; 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| Risk Factor  | Ranking  | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | B  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Native Soil  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | <2%  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Synthetic  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| 303(d)   | Yes  | METALS (MERCURY)   |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Rare and Imperiled   | No   | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Land Use/ Cover  | No   | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |

Notes: Sediment loading DS from outlets. Close proximity to YR main stem.

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| Unnamed tributary   | co-0810-r-008  | <i>Sedimentation Risk Index</i><br><b>42</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|---|--|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 8.2mi NW of Laurel Hill<br><u>Drainage:</u> Five Runs Creek<br><u>Land owner:</u> USA- Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-2<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Bass Rd | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|    |  |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: US  |  | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> |  | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i>   | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |
| Risk Factor   | Ranking  | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | DA   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | DA   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | >30°   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoC, EuA, FoA, FuB, RaA<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.1in  |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND-LOBLOLLY MODIFIER</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range   | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| 303(d)  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Wetland Species   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover   | Yes  | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |

Notes: None

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| Unnamed tributary   | co-0810-r-012  | <i>Sedimentation Risk Index</i><br><b>42</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|---|--|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 12.6mi NW of Flora<br><u>Drainage:</u> Gum Creek<br><u>Land owner:</u> USA-Conecuh Nat. Forest   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-19<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Shiloh Cemetery Rd | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|    |  |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: DS  |  | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> |  | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>                           | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |
| Risk Factor   | Ranking  | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | DA   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | DA   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> BoC,CdC,LuB,RaA,TrD<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.1in  |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range   | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| 303(d)  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Wetland Species   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover   | Yes  | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |

Notes: None

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| Unnamed tributary   | co-0901-r-010   | Sedimentation Risk Index<br><b>42</b>  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|---|---|--|---------|-------------------------|-------------------|--------|-------------------------|-----|-----------------|---------------------------|---------------|--------------------|----------------------------|-------|-----------------|--------------------------------|---|-------------------|-------------------------------|----------------------|---------------|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 12.6mi NW of Florala<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.172833812, -86.412936652<br><u>Land owner:</u> B.E. & Pearl Creel -DS, T.Ivey Powell & Sons Inc-US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-2/1<br><u>Parcel No.:</u> 1;3<br><u>Road Name:</u> Tim Powell Rd  | <u>State:</u> Alabama  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|    |   |  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Crossing Structure: US</b>   |   | <b>US</b>  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Aggregate</td><td>5</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score   | <i>US Channel Morph</i> | E                 | 5      | <i>DS Channel Morph</i> | DA  | 3               | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3                  | <i>Upstream Skew Angle</i> | 5-30° | 3               | <i>Crossing fill condition</i> | Fair/Rip Rap  | 3                 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3             | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor   | Ranking   | Score  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | E   | 5  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA  | 3  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate   | 5  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | >4%   | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System  | 5  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>42</b>  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdB,CdC,DmB,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.1in       </p>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, PASTURE/HAY</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> |  | Feature | Within Range            | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | No                        | N/A           | Rare and Imperiled | No                         | N/A   | Land Use/ Cover | Yes                            | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, PASTURE/HAY | Candidate Mussels | No                            | N/A                  | Sturgeon C.H. | No                            | N/A           |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Feature   | Within Range  | Descriptive Field  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| 303(d)  | No  | N/A  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Wetland Species   | No  | N/A  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Rare and Imperiled  | No  | N/A  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Land Use/ Cover   | Yes   | N/A/ EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, PASTURE/HAY              |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Candidate Mussels   | No  | N/A  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Sturgeon C.H.   | No  | N/A  |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |       |                 |                                |   |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: Fencing across US. Washed in aggregate.

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| Unnamed tributary   | co-0810-r-020  | <i>Sedimentation Risk Index</i><br><b>44</b>   |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|---|--|--|-------------|--------------|-------------------|-------------------------|----|-----|-------------------------|----|-----|---------------------------|---------|------------------|----------------------------|-------|--|--------------------------------|----------------|-----|-------------------------------|---------------|-----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 12.0mi SW of Andalusia<br><u>Drainage:</u> Camp Creek<br><u>Land owner:</u> USA-Conecuh Nat. Forest  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-15E-16<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Hog Foot Rd. | <u>State:</u> Alabama  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|   |  |  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|    |  |              |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Crossing Structure: US  |  | US   |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> |  |  | Risk Factor | Ranking      | Score             | <i>US Channel Morph</i> | DA | 3   | <i>DS Channel Morph</i> | C  | 5   | <i>DS Bank Alteration</i> | NATURAL | 5                | <i>Upstream Skew Angle</i> | 5-30° | 3  | <i>Crossing fill condition</i> | Poor/Bare soil | 1   | <i>Inlet/Outlet Condition</i> | No Impairment | 5   | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |
| Risk Factor   | Ranking  | Score  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>US Channel Morph</i>   | DA   | 3  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Channel Morph</i>   | C  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Bank Alteration</i>   | NATURAL  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Approach Slope Mean</i>  | <2%  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Soil K Factor</i>  | <0.20  | 5  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Additional Site Features</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td><b>303(d)</b></td><td>No</td><td>N/A</td></tr> <tr><td><b>Wetland Species</b></td><td>No</td><td>N/A</td></tr> <tr><td><b>Rare and Imperiled</b></td><td>Yes</td><td>IRONCOLOR SHINER</td></tr> <tr><td><b>Land Use/ Cover</b></td><td>Yes</td><td>N/A EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND- OPEN UNDERSTORY MODI</td></tr> <tr><td><b>Candidate Mussels</b></td><td>No</td><td>N/A</td></tr> <tr><td><b>Sturgeon C.H.</b></td><td>No</td><td>N/A</td></tr> </tbody> </table>  |  |  | Feature     | Within Range | Descriptive Field | <b>303(d)</b>           | No | N/A | <b>Wetland Species</b>  | No | N/A | <b>Rare and Imperiled</b> | Yes     | IRONCOLOR SHINER | <b>Land Use/ Cover</b>     | Yes   | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI | <b>Candidate Mussels</b>       | No             | N/A | <b>Sturgeon C.H.</b>          | No            | N/A |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Feature   | Within Range   | Descriptive Field  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>303(d)</b>   | No   | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Wetland Species</b>  | No   | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Rare and Imperiled</b>   | Yes  | IRONCOLOR SHINER   |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Land Use/ Cover</b>  | Yes  | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Candidate Mussels</b>  | No   | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Sturgeon C.H.</b>  | No   | N/A  |             |              |                   |                         |    |     |                         |    |     |                           |         |                  |                            |       |  |                                |                |     |                               |               |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |

Notes: Receiving high sediment loads from outlets and bare fill.

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| Unnamed tributary  | co-0901-r-008   | Sedimentation Risk Index<br><b>44</b> |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
|--|---|---------------------------------------|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|--------------|---|-------------------------------|---------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|---------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 12.5mi NW of Flora<br><u>Drainage:</u> Spring Branch <u>GPS:</u> 31.156458123, -86.443771608<br><u>Land owner:</u> Thomas & Margaret Gross US. Mrs. JM Forte – DS<br>North, WP Bulger – DS South  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-10<br><u>Parcel No.:</u> 6; 7; 7.01<br><u>Road Name:</u> Bulger Town Rd | <u>State:</u> Alabama                 |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <br>Crossing Structure: US  | <br>US  |                                       |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
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| Risk Factor  | Ranking   | Score                                 |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | PONDED  | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E   | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°   | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Native Soil   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Rip Rap   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Vegetated   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System  | 5                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3                                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>44</b>                             |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                     |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| 303(d)   | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Wetland Species  | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Rare and Imperiled   | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Land Use/ Cover  | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A                                   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |

Notes: Rip rap DS stream bed

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| Unnamed tributary   | co-0901-r-009  | Sedimentation Risk Index<br><b>44</b>  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|--------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 12.0mi NW of Flora<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.151824411, -86.435759804<br><u>Land owner:</u> Mildred Bulger -US, Paul & Sara Mixson -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-10<br><u>Parcel No.:</u> 14; 14.03<br><u>Road Name:</u> Bulger Town Rd | <u>State:</u> Alabama  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|    |  |  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: US  |  | DS   |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th><th style="text-align: left;">Ranking</th><th style="text-align: right;">Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>PONDED</td><td style="text-align: right;">1</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td style="text-align: right;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td style="text-align: right;">3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Aggregate</td><td style="text-align: right;">5</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td>0.21-0.40</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td style="text-align: right;">5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdC,DmB,MBA,OrC<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.05in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |  |
| Risk Factor   | Ranking  | Score  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | PONDED   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | E  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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| Unnamed tributary   | co-0901-r-011  | <i>Sedimentation Risk Index</i><br><b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
|---|--|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|------------------------------------|---|------------------|--|-----------|---|
| <u>Common:</u> 12.3mi NW of Florala<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.168688885, -86.412788931<br><u>Land owner:</u> T & TW -DS, T.Ivey Powell & Sons Inc. -US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-2/1<br><u>Parcel No.:</u> 7.01; 3<br><u>Road Name:</u> Tim Powell Rd | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
|    |  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <b>Crossing Structure: DS</b>   |  | US  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Aggregate</td><td>5</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr> <td colspan="2"><b>SRI Total</b></td><td><b>44</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | E      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> |  | <b>44</b> |  |
| Risk Factor   | Ranking  | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>US Channel Morph</i>   | E  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>DS Channel Morph</i>   | E  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Road Approach Material</i>   | All Aggregate  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Approach Slope Mean</i>  | >4%  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Outlet Total</i>   | Unimproved Outlet System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <b>SRI Total</b>  |  | <b>44</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdB,CdC,DmB,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.05in       </p>   |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Feature   | Within Range   | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| 303(d)  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Wetland Species   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Rare and Imperiled  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Land Use/ Cover   | Yes  | N/A/<br>DEVELOPED OPEN SPACE  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Candidate Mussels   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |
| Sturgeon C.H.   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |  |           |   |

Notes: Fence across US

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| Unnamed tributary   | co-0901-r-015  | <i>Sedimentation Risk Index</i><br><b>44</b>  |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|---|--|---|---------|--------------|-------------------------|---------------|----|-------------------------|------------------------|----|---------------------------|---------------------------|----|----------------------------|------------------------|-----|--------------------------------|--------------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 11.6mi SE of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.158752073, -86.391583846<br><u>Land owner:</u> Patricia Moody   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-7<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Lake Rd | <u>State:</u> Alabama   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
|    |  |   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Crossing Structure: DS</b>   |  | <b>US</b>   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | C             | 5  | <i>DS Channel Morph</i> | C                      | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL             | 3  | <i>Upstream Skew Angle</i> | <5°                    | 5   | <i>Crossing fill condition</i> | Good/Vegetated           | 5  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |
| Risk Factor   | Ranking  | Score   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | C  | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | C  | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Improved Outlet System   | 5   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdC,FoA,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.75in<br/> <u>Lt Approach Prism Fill:</u> 0.25in       </p>  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td><td>No</td><td>N/A</td></tr> <tr> <td><b>Wetland Species</b></td><td>No</td><td>N/A</td></tr> <tr> <td><b>Rare and Imperiled</b></td><td>No</td><td>N/A</td></tr> <tr> <td><b>Land Use/ Cover</b></td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr> <td><b>Candidate Mussels</b></td><td>No</td><td>N/A</td></tr> <tr> <td><b>Sturgeon C.H.</b></td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | <b>303(d)</b> | No | N/A                     | <b>Wetland Species</b> | No | N/A                       | <b>Rare and Imperiled</b> | No | N/A                        | <b>Land Use/ Cover</b> | Yes | N/A/<br>DEVELOPED OPEN SPACE   | <b>Candidate Mussels</b> | No | N/A                           | <b>Sturgeon C.H.</b> | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range   | Descriptive Field   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>303(d)</b>   | No   | N/A   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Wetland Species</b>  | No   | N/A   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Rare and Imperiled</b>   | No   | N/A   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Land Use/ Cover</b>  | Yes  | N/A/<br>DEVELOPED OPEN SPACE  |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Candidate Mussels</b>  | No   | N/A   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |
| <b>Sturgeon C.H.</b>  | No   | N/A   |         |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |

Notes: Highly vegetated

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| Unnamed tributary  |                                  | co-0810-r-004  | Sedimentation Risk Index<br><b>46</b> |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|--|----------------------------------|--|---------------------------------------|-------------|--------------|-------------------|--------|-------------------------|-----|-----------------|----|-------------------------|--------------------|----|-----|---------------------------|---------------|--|-------------------|----------------------------|-----|---------------|----|--------------------------------|----------------|---|--|-------------------------------|---------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|-----|---|--|----------------------|-------|---|--|---------------------------|-----------|---|--|---------------------------|-----------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|-----------|---|--|----------------------------|-----------|---|--|---------------------|----------------------------------|---|--|----------------------|----------------------------|---|--|------------------|-----------------|-----------|--|
| <u>Common:</u> 9.5mi N of Laurel Hill  | <u>County:</u> Covington         | <u>State:</u> Alabama  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <u>Drainage:</u> Yellow River  | <u>PLSS (T-R-S):</u> 2N-15E-36   |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <u>Land owner:</u> Kermit George   | <u>Parcel No.:</u> 1             |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|  | <u>Road Name:</u> Bass Rd        |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|   |                                  |              |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Crossing Structure: US   |                                  | US   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td><td></td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td><td></td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td><td></td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Blocked</td><td>1</td><td></td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td></td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td><td></td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td><td></td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td><td></td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td><td></td></tr> </tbody> </table> |                                  |  |                                       | Risk Factor | Ranking      | Score             |        | <i>US Channel Morph</i> | E   | 5               |    | <i>DS Channel Morph</i> | E                  | 5  |     | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3  |                   | <i>Upstream Skew Angle</i> | <5° | 5             |    | <i>Crossing fill condition</i> | Good/Vegetated | 5 |  | <i>Inlet/Outlet Condition</i> | Blocked | 1 |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  | <i>Approach Slope Mean</i> | <2% | 5 |  | <i>Soil K Factor</i> | <0.20 | 5 |  | <i>Upstream Rt Outlet</i> | Vegetated | 1 |  | <i>Upstream Lt Outlet</i> | Bare soil | 0 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  | <i>Downstream Rt Outlet</i> | Vegetated | 1 |  | <i>Downstream Lt Outlet</i> | Vegetated | 1 |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <i>Outlet Total</i> | Partially Improved Outlet System | 3 |  | <i>Ditches Total</i> | Unimproved Drainage System | 1 |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |
| Risk Factor  | Ranking                          | Score  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>US Channel Morph</i>  | E                                | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>DS Channel Morph</i>  | E                                | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL                    | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Skew Angle</i>   | <5°                              | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Crossing fill condition</i>   | Good/Vegetated                   | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Inlet/Outlet Condition</i>  | Blocked                          | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Road Approach Material</i>  | All Sand/Clay                    | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³                           | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Approach Slope Mean</i>   | <2%                              | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Soil K Factor</i>   | <0.20                            | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Rt Outlet</i>  | Vegetated                        | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Lt Outlet</i>  | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Rt Ditch</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Lt Ditch</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Rt Outlet</i>  | Vegetated                        | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Lt Outlet</i>  | Vegetated                        | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Rt Ditch</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Lt Ditch</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Ditches Total</i>   | Unimproved Drainage System       | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <b>SRI Total</b>   | <b>Low Risk</b>                  | <b>46</b>  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC, FoA, FuB<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in     </p>   |                                  |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|   |                                  |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND- OPEN UNDERSTORY MODI</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table>  |                                  |  |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | No | N/A                     | Rare and Imperiled | No | N/A | Land Use/ Cover           | Yes           | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI | Candidate Mussels | No                         | N/A | Sturgeon C.H. | No | N/A                            |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Feature  | Within Range                     | Descriptive Field  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| 303(d)   | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Wetland Species  | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Rare and Imperiled   | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Land Use/ Cover  | Yes                              | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Candidate Mussels  | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Sturgeon C.H.  | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |         |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |

Notes: None

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| Common:<br>Drainage:<br>Land owner:  | 9.5mi S of Andalusia<br>Poplar Creek<br>RTG1 LP (Dixon) | co-0901-r-006  | Sedimentation Risk Index<br><b>46</b> |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
|--|---|--|---------------------------------------|---------|-------------------------|-------------------|--------|-------------------------|-----|-----------------|---------------------------|---------------|--------------------|----------------------------|-----|-----------------|--------------------------------|--------------|-------------------|-------------------------------|----------------------|---------------|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|---------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>County:</u><br><u>PLSS (T-R-S):</u><br><u>Parcel No.:</u><br><u>Road Name:</u>  | Covington<br>2N-16E-3<br>2.01<br>Braswell Rd            | <u>State:</u><br>Alabama   |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
|   |   |    |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: US   |   | US   |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking                               | Score   | <i>US Channel Morph</i> | E                 | 5      | <i>DS Channel Morph</i> | E   | 5               | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3                  | <i>Upstream Skew Angle</i> | <5° | 5               | <i>Crossing fill condition</i> | Fair/Rip Rap | 3                 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3             | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Rip Rap | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |  |
| Risk Factor  | Ranking   | Score  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | E   | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | E   | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring                                    | 3  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | <2%   | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Rip Rap   | 1  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System                        | 3  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System                              | 1  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>46</b>  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BoB,CdC,DmB,FoA,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.1in     </p>   |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |                                       | Feature | Within Range            | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | No                        | N/A           | Rare and Imperiled | No                         | N/A | Land Use/ Cover | No                             | N/A          | Candidate Mussels | No                            | N/A                  | Sturgeon C.H. | No                            | N/A           |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Feature  | Within Range  | Descriptive Field  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| 303(d)   | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Wetland Species  | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Rare and Imperiled   | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Land Use/ Cover  | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Candidate Mussels  | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Sturgeon C.H.  | No  | N/A  |                                       |         |                         |                   |        |                         |     |                 |                           |               |                    |                            |     |                 |                                |              |                   |                               |                      |               |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |

Notes: Old aggregate washed into outlets

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| Common:<br>Drainage:<br>Land owner:   | 11.6mi SE of Andalusia<br>Yellow River      GPS: 31.161090750, -86.388066995<br>Patricia Moody | co-0901-r-016  | Sedimentation Risk Index<br><b>46</b> |
|---|--|--|---------------------------------------|
|   |  |  |                                       |
| <u>County:</u>  | <u>Covington</u>   |  | <u>State:</u> Alabama                 |
| <u>PLSS (T-R-S):</u>  | 2N-17E-7   |  |                                       |
| <u>Parcel No.:</u>  | 2  |  |                                       |
| <u>Road Name:</u>   | Lamar Lake Rd  |  |                                       |
|  |  |  |                                       |
| Crossing Structure: US  |  | US   |                                       |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>   |                                       |
| <i>US Channel Morph</i>   | C  | 5  |                                       |
| <i>DS Channel Morph</i>   | C  | 5  |                                       |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |                                       |
| <i>Upstream Skew Angle</i>  | >30°   | 1  |                                       |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |                                       |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |                                       |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |                                       |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1  |                                       |
| <i>Approach Slope Mean</i>  | <2%  | 5  |                                       |
| <i>Soil K Factor</i>  | <0.20  | 5  |                                       |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |                                       |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |                                       |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1  |                                       |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1  |                                       |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |                                       |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |                                       |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>46</b>  |                                       |
| <b>Additional Site Features</b>   |  |  |                                       |
| <i>Crossing Type and Quantity:</i>  | Culvert, 1   |  |                                       |
| <i>Crossing Materials:</i>  | Metal  |  |                                       |
| <i>Soil Types:</i>  | BoC,CdC,FoA,FuB,MBA  |  |                                       |
| <i>Rt Approach Prism Fill:</i>  | 1.0in  |  |                                       |
| <i>Lt Approach Prism Fill:</i>  | 0.5in  |  |                                       |
|   |  | <b>Feature</b>   | <b>Within Range</b>                   |
|   |  | 303(d)   | No                                    |
|   |  | Wetland Species  | No                                    |
|   |  | Rare and Imperiled   | No                                    |
|   |  | Land Use/ Cover  | Yes                                   |
|   |  | Candidate Mussels  | No                                    |
|   |  | Sturgeon C.H.  | No                                    |
|   |  |  | N/A/ DEVELOPED OPEN SPACE             |
|   |  |  | N/A                                   |
|   |  |  | N/A                                   |

Notes: Rip rap in stream bed.

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# Five Runs Creek

co-0810-r-007

Sedimentation Risk Index  
**48**

Common: 8.2mi NW of Laurel Hill  
Drainage: Yellow River GPS: 31.076217, -86.510185  
Land owner: USA-Conecuh Nat. Forest

County: Covington State: Alabama  
PLSS (T-R-S): 1N-15E-1  
Parcel No.: 1  
Road Name: Bass Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Metal  
Soil Types: BoC,EuA,FoA,FuB,IbA,RaA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI |
| Candidate Mussels  | Yes          | SOUTHERN SANDSHELL, CHOCTAW BEAN  |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

| Unnamed tributary   | co-0810-r-010  | Sedimentation Risk Index<br><b>48</b>                    |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|---|--|--|---|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 13.1mi NW of Flora<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.141211, -86.479211<br><u>Land owner:</u> USA- Conecuh National Forest  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-17<br><u>Parcel No.:</u> 5<br><u>Road Name:</u> Shiloh Cemetery Rd | <u>State:</u> Alabama                                    |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|    |    |  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: DS  | DS   |  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
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| Risk Factor   | Ranking  | Score  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | C  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³   | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> LyA, MBA, RaA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.5in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>DEVELOPED OPEN SPACE<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |

Notes: None

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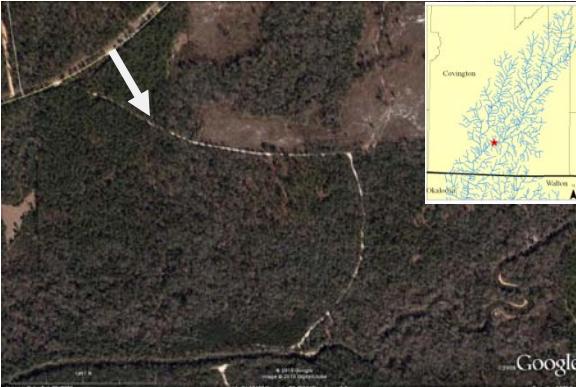
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| Unnamed tributary   | co-0810-r-011  | Sedimentation Risk Index<br>48                           |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|---|--|--|---|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 10.1mi NW of Floala<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Catherine Dixon Roland  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-16E-33<br><u>Parcel No.:</u> 2.01<br><u>Road Name:</u> Drip Rock Rd    | <u>State:</u> Alabama                                    |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|    |    |  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: US  | DS   |  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th></tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>48</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | E  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | E  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>  |   |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> EuA,JbA,KaA,RaA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.1in       </p>  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND- OPEN UNDERSTORY MODI<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |

Notes: Dripping rock road. Feeds DS of sturgeon on YR main stem.

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| Common:<br><u>Drainage:</u><br><u>Land owner:</u>                                   | 9.9mi SE of Andalusia<br>Poplar Creek <u>GPS:</u> 31.168819779, -86.441611588<br>RTG1 LP (Dixon) | co-0901-r-007  | Sedimentation Risk Index<br><b>50</b> |  |  |  |
|---|--|--|---------------------------------------|--|--|--|
|   |  |  |                                       |  |  |  |
| <u>County:</u><br><u>PLSS (T-R-S):</u><br><u>Parcel No.:</u><br><u>Road Name:</u>   | <u>Covington</u><br>2N-16E-3<br>2.01<br>Braswell Rd  |  | <u>State:</u> Alabama                 |  |  |  |
|    |  |  |                                       |  |  |  |
| Crossing Structure: DS  |  | US   |                                       |  |  |  |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>   |                                       |  |  |  |
| <i>US Channel Morph</i>   | C  | 5  |                                       |  |  |  |
| <i>DS Channel Morph</i>   | C  | 5  |                                       |  |  |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |                                       |  |  |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |                                       |  |  |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3  |                                       |  |  |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |                                       |  |  |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |                                       |  |  |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |                                       |  |  |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |                                       |  |  |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |                                       |  |  |  |
| <i>Upstream Rt Outlet</i>   | Synthetic  | 1  |                                       |  |  |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |                                       |  |  |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1  |                                       |  |  |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |                                       |  |  |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |                                       |  |  |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |                                       |  |  |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |                                       |  |  |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |                                       |  |  |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |                                       |  |  |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |                                       |  |  |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>50</b>  |                                       |  |  |  |
| <b>Additional Site Features</b>   |  |  |                                       |  |  |  |
| <i>Crossing Type and Quantity:</i>  | Culvert, 1   |  |                                       |  |  |  |
| <i>Crossing Materials:</i>  | Metal  |  |                                       |  |  |  |
| <i>Soil Types:</i>  | FoA,FuB,LyA,MBA  |  |                                       |  |  |  |
| <i>Rt Approach Prism Fill:</i>  | 0.1in  |  |                                       |  |  |  |
| <i>Lt Approach Prism Fill:</i>  | 0.1in  |  |                                       |  |  |  |
|  |  |  |                                       |  |  |  |
| <b>Feature</b> <b>Within Range</b> <b>Descriptive Field</b>                         |  |  |                                       |  |  |  |
| 303(d)  | No   | N/A  |                                       |  |  |  |
| Wetland Species   | No   | N/A  |                                       |  |  |  |
| Rare and Imperiled  | No   | N/A  |                                       |  |  |  |
| Land Use/ Cover   | Yes  | N/A/<br>PASTURE/HAY  |                                       |  |  |  |
| Candidate Mussels   | No   | N/A  |                                       |  |  |  |
| Sturgeon C.H.   | No   | N/A  |                                       |  |  |  |

Notes: None

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| Unnamed tributary  | co-0901-r-017   | Sedimentation Risk Index<br><b>50</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
|--|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|
| <u>Common:</u> 11.0mi NW of Flora<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.157421325, -86.381592263<br><u>Land owner:</u> T. Ivey Powell & Sons Inc   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-7<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Cravey Bridge Rd | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
|   |   |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Crossing Structure: DS   |   | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>50</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>  | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>50</b> |  |
| Risk Factor  | Ranking   | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>US Channel Morph</i>  | DA  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>DS Channel Morph</i>  | E   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Approach Slope Mean</i>   | <2%   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Soil K Factor</i>   | <0.20   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Outlet Total</i>  | Improved Outlet System  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>50</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge,1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BgA,EuA,FoA,FuB,MBA,RaA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.75in     </p>   |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>LOW INTENSITY DEVELOPED</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>LOW INTENSITY DEVELOPED | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Feature  | Within Range  | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| 303(d)   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Wetland Species  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Rare and Imperiled   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Land Use/ Cover  | Yes   | N/A/<br>LOW INTENSITY DEVELOPED  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Candidate Mussels  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Sturgeon C.H.  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                 |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |

Notes: Poorly maintained rd.

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## Buck Creek

co-0729-r-002

Sedimentation Risk Index  
**52**

Common: 5.7mi NW of Laurel Hill  
Drainage: Yellow River      GPS: 31.002600, -86.546578  
Land owner: Rayonier Woodlands LLC

County: Covington      State: Alabama  
PLSS (T-R-S): 1N-15E-34  
Parcel No.: 7  
Road Name: Moores Mill Creek Rd



Crossing Structure: US



DS

| Risk Factor                         | Ranking                  | Score     |
|-------------------------------------|--------------------------|-----------|
| <i>US Channel Morph</i>             | DA                       | 3         |
| <i>DS Channel Morph</i>             | C                        | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                  | 5         |
| <i>Upstream Skew Angle</i>          | <5°                      | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated           | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment            | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay            | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                   | 1         |
| <i>Approach Slope Mean</i>          | <2%                      | 5         |
| <i>Soil K Factor</i>                | <0.20                    | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System   | 5         |
| <i>Ditches Total</i>                | Improved Drainage System | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>          | <b>52</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: CdB,EuA,LyA,MBA,TrD  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Close proximity to YR main stem.

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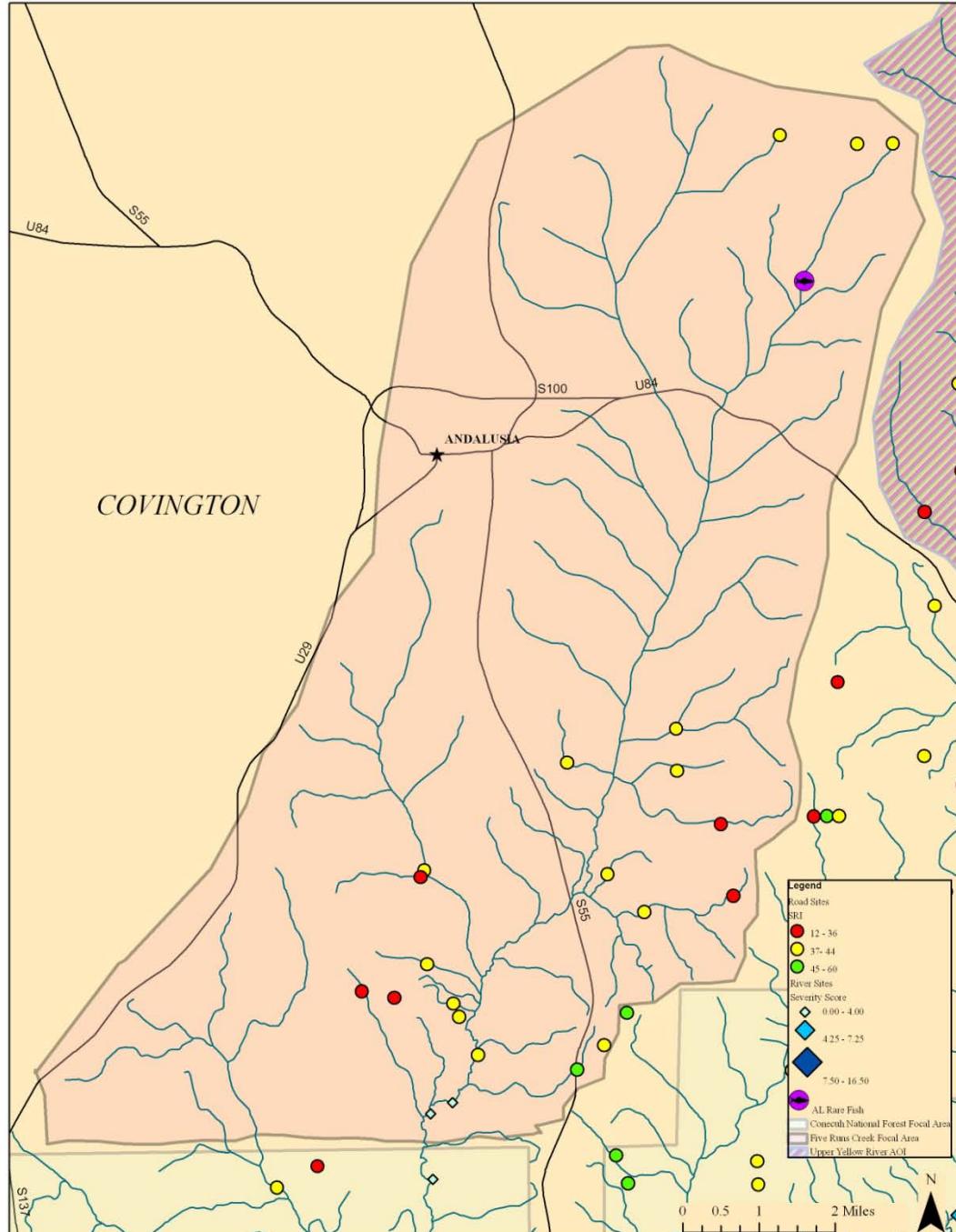


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Appendix E. Five Runs Creek Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Five Runs Creek   | co-0923-001  | Severity Score<br><b>5</b> |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
|---|--|----------------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|---------|-----|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|---------------------------------------|----------|----------------------|------|-------------------------------|-----------|-----------------------|---------------|--|
| <u>Common:</u> 8.5 miles S of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.1836621, -86.480343699<br><u>Land owner:</u> Roger & Effie Sightler   | <u>County:</u> Covington<br><u>PLSS:</u> 3N-16E-32<br><u>Parcel No.:</u> 2         | <u>State:</u> Alabama      |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <br><b>LB</b>  |  |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                    | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Present | 1.5 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;"><b>Additional Site Features</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><i>Stream Channel Woody Material:</i></td><td style="width: 50%;">Moderate</td></tr> <tr> <td><i>Impoundments:</i></td><td>None</td></tr> <tr> <td><i>Substrate Composition:</i></td><td>Clay Marl</td></tr> <tr> <td><i>Bank Material:</i></td><td>Sand and Clay</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Moderate | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Clay Marl | <i>Bank Material:</i> | Sand and Clay |  |
| Risk Factor   | Ranking  | Score                      |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Channel Stability</i>  | Fair   | 1                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Channel Alteration</i>   | None   | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Bank Erosion</i>   | Active   | 1                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>BEHI</i>   | Moderate   | 0.5                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Local NPSP</i>   | No Evidence  | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Shoring Structures</i>   | Not Present  | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Water Odors</i>  | Not Present  | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Fish Passage Barrier</i>   | Present  | 1.5                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75                       |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25                       |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <b>River Threat Index:</b>  | <b>5</b>   |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Feature   | Within Range   | Descriptive Field          |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| 303(d)  | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Wetland Species   | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Rare and Imperiled  | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Land Use/ Cover   | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Candidate Mussels   | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| Sturgeon C.H.   | No   | N/A                        |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Stream Channel Woody Material:</i>   | Moderate   |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Impoundments:</i>  | None   |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Substrate Composition:</i>   | Clay Marl  |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |
| <i>Bank Material:</i>   | Sand and Clay  |                            |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |         |     |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |          |                      |      |                               |           |                       |               |  |

Notes: Private road leading to creek's edge, ending at the pictured bare spot.

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| Five Runs Creek   | co-0923-002  | Severity Score<br>2   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
|---|--|-----------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8.6mi S of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.182184602, -86.485253561<br><u>Land owner:</u> LB: C&G LLC/ RB: James & Mira Walker   | <u>County:</u> Covington<br><u>PLSS:</u> 3N-16E-31<br><u>Parcel No.:</u> 3/ 1.03   | <u>State:</u> Alabama |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <br><b>LB</b>  |  |                       |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>2</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking               | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="margin-top: 10px;"><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score                 |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Channel Stability</i>  | Good   | 0.5                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Bank Erosion</i>   | Active   | 1                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>BEHI</i>   | Moderate   | 0.5                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>2</b>   |                       |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Wetland Species   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Rare and Imperiled  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Land Use/ Cover   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |

Notes: Outside bend- natural feature.

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## Unnamed tributary

co-1029-r-008

Sedimentation Risk Index  
**24**

Common: 7.0mi NE of Andalusia  
Drainage: Five Runs Creek GPS: 31.366621734, -86.385947566  
Land owner: John & Rosemary Powers

County: Covington  
PLSS (T-R-S): 5N-17E-30  
Parcel No.: 2  
Road Name: George Mims Rd



Crossing Structure: US

US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>24</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: CdB,CdC,DmB,MBA,OrB,OrC  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 0.15in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | BLUENOSE SHINER   |
| Land Use/ Cover    | Yes          | N/A /EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Submerged culvert draining US agriculture pond.

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| Unnamed tributary   | co-0901-r-012   | Sedimentation Risk Index<br><b>30</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
|---|---|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|
| <u>Common:</u> 6.8mi SE of Andalusia<br><u>Drainage:</u> Poplar Creek <u>GPS:</u> 31.223505943, -86.417912932<br><u>Land owner:</u> Sammy & Bobby Brown   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-14<br><u>Parcel No.:</u> 10<br><u>Road Name:</u> Sammy Brown Road | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <br>Crossing Structure: DS   | <br>DS                                  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td>1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>High Risk</b></td> <td><b>30</b></td> </tr> </tbody> </table> |   | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | E      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>30</b> |
| Risk Factor   | Ranking   | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>US Channel Morph</i>   | E   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>DS Channel Morph</i>   | C   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>DS Bank Alteration</i>   | HIGH  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Upstream Skew Angle</i>  | >30°  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Soil K Factor</i>  | <0.20   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Outlet Total</i>   | Unimproved Outlet System  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <b>SRI Total</b>  | <b>High Risk</b>  | <b>30</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BnB,BnC,CdB,CdC,DmB,LyA<br/> <u>Rt Approach Prism Fill:</u> 0.2in<br/> <u>Lt Approach Prism Fill:</u> 0.5in         </p>  |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A / LOW INTENSITY DEVELOPED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A / LOW INTENSITY DEVELOPED  | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Feature   | Within Range  | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| 303(d)  | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Wetland Species   | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Rare and Imperiled  | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Land Use/ Cover   | Yes   | N/A / LOW INTENSITY DEVELOPED   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Candidate Mussels   | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |
| Sturgeon C.H.   | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |

Notes: Fencing across DS. Channelized.

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## Unnamed tributary

co-0810-r-015

Sedimentation Risk Index  
**34**

Common: 7.2mi S of Andalusia  
Drainage: Five Runs Creek GPS: 31.204378, -86.493136  
Land owner: Royce & Vonnie Wiggins

County: Covington State: Alabama  
PLSS (T-R-S): 3N-16E-19/30  
Parcel No.: 9  
Road Name: Wiggins Farm Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,CdC,DmB,FoA,FuB,MBA,RaA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | Yes          | N/A / PASTURE/HAY |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: US agricultural land use.

## Unnamed tributary

co-0811-r-004

Sedimentation Risk Index  
**34**

Common: 5.6mi SW of Andalusia  
Drainage: Bay Branch GPS: 31.227314, -86.487211  
Land owner: Dixon Family Partnership LP

County: Covington  
PLSS (T-R-S): 3N-16E-18  
Parcel No.: 1  
Road Name: Bass Bridge Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB,BoC,CdC,DmB,FoA,MBA  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.75in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Lots of garbage in US channel and DS outlets. 1/2 up RT approach clay pit.

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## Unnamed tributary

co-0904-r-004

Sedimentation Risk Index

**34**

Common: 6.1mi SE of Andalusia  
Drainage: Five Runs Creek GPS: 31.237184668, -86.420553065  
Land owner: Alice Childree -DS, Rayonier Woodlands LLC -US

County: Covington  
PLSS (T-R-S): 3N-16E-11  
Parcel No.: 5; 4  
Road Name: Head Farm Rd

State: Alabama

Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge,1; Culvert, 2  
Crossing Materials: Reinforced Concrete; PVC  
Soil Types: CdB,CdC,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A /EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-OFFSITE HARDWOOD MOD |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: 2 culverts draining the pond to the bridge crossing.

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| Unnamed tributary   | co-0810-r-14a   | <i>Sedimentation Risk Index</i><br><b>38</b> |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|---|---|--|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 7.4mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek<br><u>Land owner:</u> C&G LLC   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-29<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Bass Bridge Rd  | <u>State:</u> Alabama                        |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|    |   |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS  | US  |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>38</b></td></tr> </tbody> </table> | Risk Factor   | Ranking                                      | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |  |
| Risk Factor   | Ranking   | Score  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | DA  | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA  | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>38</b>                                    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB, FoA, FuB, IbA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature                                      | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Feature   | Within Range  | Descriptive Field                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| 303(d)  | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Wetland Species   | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Rare and Imperiled  | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Land Use/ Cover   | Yes   | N/A/<br>DEVELOPED OPEN SPACE                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Candidate Mussels   | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Sturgeon C.H.   | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: Significant difference between US and DS channel conditions. No flow through Lt Culvert.

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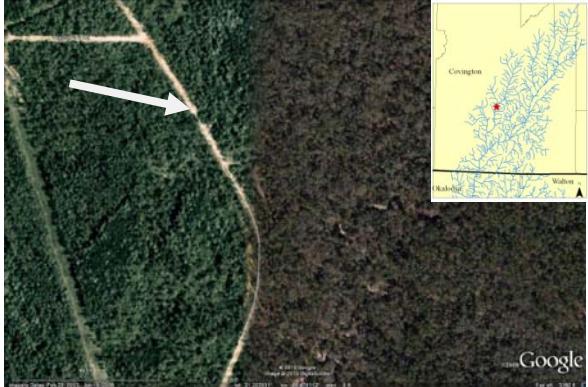
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| Unnamed tributary  | co-0810-r-014b   | Sedimentation Risk Index<br><b>38</b>   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
|--|--|---|-------|------------------|---|---|------------------|---|---|--------------------|------|---|---------------------|------|---|-------------------------|----------------|---|------------------------|---------------|---|------------------------|---------------|---|------------------------------|--------|---|---------------------|-----|---|---------------|-------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|------------------------|---|---------------|----------------------------|---|------------------|--------------------|-----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|-----------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 7.4mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek<br><u>Land owner:</u> C&G LLC  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-29<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Bass Bridge Rd | <u>State:</u> Alabama   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
|   |                                      |   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Crossing Structure: DS   | DS   |  |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Bank Alteration</td><td>HIGH</td><td>1</td></tr> <tr><td>Upstream Skew Angle</td><td>&gt;30°</td><td>1</td></tr> <tr><td>Crossing fill condition</td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>&gt;40 y³</td><td>1</td></tr> <tr><td>Approach Slope Mean</td><td>&lt;2%</td><td>5</td></tr> <tr><td>Soil K Factor</td><td>&lt;0.20</td><td>5</td></tr> <tr><td>Upstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Downstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Downstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Outlet Total</td><td>Improved Outlet System</td><td>5</td></tr> <tr><td>Ditches Total</td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>38</b></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | US Channel Morph | E | 5 | DS Channel Morph | E | 5 | DS Bank Alteration | HIGH | 1 | Upstream Skew Angle | >30° | 1 | Crossing fill condition | Poor/Bare soil | 1 | Inlet/Outlet Condition | No Impairment | 5 | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | >40 y³ | 1 | Approach Slope Mean | <2% | 5 | Soil K Factor | <0.20 | 5 | Upstream Rt Outlet | Vegetated | 1 | Upstream Lt Outlet | Vegetated | 1 | Upstream Rt Ditch | Bare soil | 0 | Upstream Lt Ditch | Bare soil | 0 | Downstream Rt Outlet | Vegetated | 1 | Downstream Lt Outlet | Vegetated | 1 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Improved Outlet System | 5 | Ditches Total | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A / EVERGREEN PLANTATIONS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / EVERGREEN PLANTATIONS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking  | Score   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| US Channel Morph   | E  | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| DS Channel Morph   | E  | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| DS Bank Alteration   | HIGH   | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Upstream Skew Angle  | >30°   | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Crossing fill condition  | Poor/Bare soil   | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Inlet/Outlet Condition   | No Impairment  | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Road Approach Material   | All Sand/Clay  | 3   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Potential Eroded Volume Mean   | >40 y³   | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Approach Slope Mean  | <2%  | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Soil K Factor  | <0.20  | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Upstream Rt Outlet   | Vegetated  | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Upstream Lt Outlet   | Vegetated  | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Upstream Rt Ditch  | Bare soil  | 0   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Upstream Lt Ditch  | Bare soil  | 0   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Downstream Rt Outlet   | Vegetated  | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Downstream Lt Outlet   | Vegetated  | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Downstream Rt Ditch  | Bare soil  | 0   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Downstream Lt Ditch  | Bare soil  | 0   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Outlet Total   | Improved Outlet System   | 5   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Ditches Total  | Unimproved Drainage System   | 1   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>38</b>   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No   | N/A   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A / EVERGREEN PLANTATIONS   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BoB,FoA,FuB,JbA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>  |  |   |       |                  |   |   |                  |   |   |                    |      |   |                     |      |   |                         |                |   |                        |               |   |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                             |                   |    |     |               |    |     |  |

Notes: US channelized ditch.

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| Unnamed tributary  | co-0904-r-003  | Sedimentation Risk Index<br><b>38</b>   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
|--|--|---|-------|-------------------------|----|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 5.2mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.247880453, -86.429983593<br><u>Land owner:</u> Dixon Family Partnership LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-10<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Head Farm Rd | <u>State:</u> Alabama   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <br>Crossing Structure: DS  | <br>US                             |   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BnC,Bob,CdB,CdC,DmB,MBA,OrB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.05in</p> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <br><table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A /EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND-LOBLOLLY MODIFIER</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A /EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking  | Score   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | DA   | 3   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | C  | 5   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20  | 5   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>38</b>   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No   | N/A   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A /EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A   |       |                         |    |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |

Notes: Fence across US

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| Unnamed tributary  | co-0810-r-016  | Sedimentation Risk Index<br><b>36</b>                    |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
|--|--|--|--|-------------------------|--------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 7.1mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.205619, -86.500289<br><u>Land owner:</u> Royce & Vonnie Wiggins   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-15E-24<br><u>Parcel No.:</u> 10<br><u>Road Name:</u> Wiggins Farm Rd   | <u>State:</u> Alabama                                    |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
|   |    | DS   |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Crossing Structure: US   |  |  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>21-40 y³</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>High Risk</b></td><td style="text-align: right;"><b>36</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score  | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>High Risk</b> | <b>36</b> |  |  |
| Risk Factor  | Ranking  | Score  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>  | PONDED   | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>  | C  | 5  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>  | All Aggregate  | 5  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³   | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>   | Vegetated  | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>   | Vegetated  | 1  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <b>SRI Total</b>   | <b>High Risk</b>   | <b>36</b>  |  |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoB, BoC, DmB, FuB, MBA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.25in   | <b>Feature</b><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b> | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A / PASTURE/HAY<br>N/A<br>N/A |                         |        |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |

Notes: Fencing across DS

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| Unnamed tributary   | co-1029-r-006   | <i>Sedimentation Risk Index</i><br><b>40</b>  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|---|---|---|---------|--------------|-------------------------|------------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|---------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 6.1mi NE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.368316317, -86.406643287<br><u>Land owner:</u> JS&Abbie Wood  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 5N-16E-25<br><u>Parcel No.:</u> 9<br><u>Road Name:</u> Stant Wood Rd | <u>State:</u> Alabama   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|    |   |   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Crossing Structure: US  |   | DS  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>BEAVER DAM</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>40</b></td></tr> </tbody> </table> |   | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | BEAVER DAM | 3  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>  | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Rip Rap | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor   | Ranking   | Score   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | BEAVER DAM  | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | C   | 5   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | HIGH  | 1   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | <5°   | 5   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Rip Rap   | 1   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> CdB,CdC,DmB,MBA,OrB<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.25in  |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A /EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-LOBLOLLY MODIFIER MEDIUM INTENSITY DEVELOPED, DEVELOPED OPEN SPACE, PASTURE/HAY</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)     | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A /EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-LOBLOLLY MODIFIER MEDIUM INTENSITY DEVELOPED, DEVELOPED OPEN SPACE, PASTURE/HAY | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Feature   | Within Range  | Descriptive Field   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| 303(d)  | No  | N/A   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Wetland Species   | No  | N/A   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Rare and Imperiled  | No  | N/A   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Land Use/ Cover   | Yes   | N/A /EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-LOBLOLLY MODIFIER MEDIUM INTENSITY DEVELOPED, DEVELOPED OPEN SPACE, PASTURE/HAY   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Candidate Mussels   | No  | N/A   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Sturgeon C.H.   | No  | N/A   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |         |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |

Notes: Hydraulic jump into US inlet.

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| Unnamed tributary   | co-0811-r-005  | <i>Sedimentation Risk Index</i><br><b>42</b>   |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|---|--|--|-------|-------------------------|---------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|---------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 6.7mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.210694, -86.485814<br><u>Land owner:</u> W&C Maddox -US, S&J Anderson -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-19<br><u>Parcel No.:</u> 8.01; 5<br><u>Road Name:</u> Bass Bridge Rd | <u>State:</u> Alabama  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US                                     |  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>WETLAND</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>D</td> <td>1</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Rip Rap</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BoB,BoC,CdC,DmB,FoA,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.15in<br/> <u>Lt Approach Prism Fill:</u> 0.15in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | D | 1 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Rip Rap | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>Google | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/ EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND-OFFSITE HARDWOOD MOD</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-OFFSITE HARDWOOD MOD | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | WETLAND  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | D  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20  | 5  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Rip Rap  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | N/A/ EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-OFFSITE HARDWOOD MOD |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A  |       |                         |         |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: US wetland visible from aerial.

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| Unnamed tributary  | co-0901-r-001  | <i>Sedimentation Risk Index</i><br><b>42</b>             |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
|--|--|--|---|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---|
| <u>Common:</u> 6.6mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.220477682, -86.437669425<br><u>Land owner:</u> Harold Powell - US, Byron & Linda Kilpatrick -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-15<br><u>Parcel No.:</u> 3.05; 3.06<br><u>Road Name:</u> Eddie Cannon Rd | <u>State:</u> Alabama                                    |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
|   |    | <b>US</b>  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| Crossing Structure: Rt Approach  |  |  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Native Soil</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><b>Outlet Total</b></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><b>Ditches Total</b></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Partially Improved Outlet System | 3 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>US Channel Morph</i>  | C  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>DS Channel Morph</i>  | C  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Road Approach Material</i>  | All Native Soil  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Approach Slope Mean</i>   | <2%  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <b>Outlet Total</b>  | Partially Improved Outlet System   | 3  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <b>Ditches Total</b>   | Unimproved Drainage System   | 1  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>  |   |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Ford, 1<br><u>Crossing Materials:</u> Native Soil<br><u>Soil Types:</u> BnC,CdB,CdC,FuB,LyA,MBA<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.15in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H.       | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>DEVELOPED OPEN SPACE<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |   |

Notes: Some old gravel present in crossing.

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| Unnamed tributary  | co-0901-r-004   | <i>Sedimentation Risk Index</i><br><b>42</b> |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
|--|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8.1mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.195118190, -86.446699986<br><u>Land owner:</u> Royce Sightle   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-27<br><u>Parcel No.:</u> 5.01<br><u>Road Name:</u> Brasville Rd | <u>State:</u> Alabama                        |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <br>Crossing Structure: US  | <br>DS                                |  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> CdC,DmB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.05in</p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br><table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking   | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | E   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | E   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Aggregate   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>42</b>                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field                            |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| 303(d)   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Wetland Species  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Land Use/ Cover  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |  |

Notes: DS outfall drop.

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| Unnamed tributary  | co-1029-r-009  | Sedimentation Risk Index<br><b>42</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
|--|--|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|---------|---|---------------------|--------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|-----------------|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 7.2mi NE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.366542969, -86.381605324<br><u>Land owner:</u> Minnie Sorrells -US, John & Rosemary Powers--DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 5N-17E-30<br><u>Parcel No.:</u> 20; 2<br><u>Road Name:</u> George Mims Rd | <u>State:</u> Alabama                  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <br>Crossing Structure: US  | <br>US                                   |  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
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| Risk Factor  | Ranking  | Score                                  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | E  | 5                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | E  | 5                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20  | 5                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Rip Rap  | 1                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Unimproved Outlet System   | 1                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3                                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>                              |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field                      |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A                                    |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A                                    |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes  | BLUENOSE SHINER                        |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A / SUCCESSIONAL SHRUB/SCRUB (OTHER) |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A                                    |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A                                    |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                          |   |                      |                                    |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |     |                 |                 |     |  |                   |    |     |               |    |     |  |

Notes: None

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## Five Runs Creek

co-0810-r-013

Sedimentation Risk Index

**44**

Common: 8.0mi S of Andalusia  
Drainage: Yellow River GPS: 31.193375, -86.474669  
Land owner: James and Judy Bowman -US, C&G LLC -DS

County: Covington  
PLSS (T-R-S): 3N-16E-29  
Parcel No.: 2.01; 1  
Road Name: Bass Bridge Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: BoB,CdC,DmB,EuA,FoA,IbA,MBA,RaA  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field             |
|--------------------|--------------|-------------------------------|
| 303(d)             | No           | N/A                           |
| Wetland Species    | No           | N/A                           |
| Rare and Imperiled | No           | N/A                           |
| Land Use/ Cover    | Yes          | N/A / LOW INTENSITY DEVELOPED |
| Candidate Mussels  | No           | N/A                           |
| Sturgeon C.H.      | No           | N/A                           |

Notes: Some rip rap loading into stream. Public access area. Highly sediment loaded outlets.

| <b>Bay Branch</b>  | <b>co-0811-r-003</b>  | <i>Sedimentation Risk Index</i><br><b>44</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|--|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|---------|---|--------------------------|---------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|---------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 5.5mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.228644, -86.486386<br><u>Land owner:</u> Dixon Family Partnership LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-18<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Bay Branch Rd | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|   |   |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>Crossing Structure:</b>   |   | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Rip Rap</td><td>1</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Rip Rap</td><td>1</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Rip Rap</td><td>1</td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr> <td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Rip Rap | 1 | <i>Upstream Lt Ditch</i> | Rip Rap | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Rip Rap | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |
| Risk Factor  | Ranking   | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>US Channel Morph</i>  | C   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Channel Morph</i>  | E   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | >40 y³  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | >4%   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Rip Rap   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Rip Rap   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Rip Rap   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>44</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BoB,BoC,CdC,DmB,FoA,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.15in       </p>  |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>N/A / DEVELOPED OPEN SPACE</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A / DEVELOPED OPEN SPACE     | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Feature  | Within Range  | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| 303(d)   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Wetland Species  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Rare and Imperiled   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Land Use/ Cover  | Yes   | N/A / DEVELOPED OPEN SPACE   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Candidate Mussels  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Sturgeon C.H.  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |         |   |                          |         |   |                             |           |   |                             |           |   |                            |           |   |                            |         |   |                     |                                  |   |                      |                                    |   |                  |                    |           |

Notes: None

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| Unnamed tributary   | co-0904-r-001   | <i>Sedimentation Risk Index</i><br><b>44</b>   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|---|---|--|---------|--------------|-------------------------|------------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 4.4mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.248950899, -86.454617271<br><u>Land owner:</u> Mary Beesley Tr. -US, Bobby Elmore -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-4/9<br><u>Parcel No.:</u> 20; 3<br><u>Road Name:</u> Hanegan Rd | <u>State:</u> Alabama  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
|    |   |    |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Crossing Structure: DS  |   | US   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>BEAVER DAM</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>BEAVER DAM</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>NATURAL</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td style="text-align: right;">3</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>44</b></td> </tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | BEAVER DAM | 3  | <i>DS Channel Morph</i> | BEAVER DAM      | 3  | <i>DS Bank Alteration</i> | NATURAL            | 5  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |
| Risk Factor   | Ranking   | Score  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | BEAVER DAM  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | BEAVER DAM  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | NATURAL   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | >4%   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>44</b>  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> CdC,DmB,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p>   |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A / DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)     | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A / DEVELOPED OPEN SPACE     | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| 303(d)  | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Wetland Species   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Rare and Imperiled  | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Land Use/ Cover   | Yes   | N/A / DEVELOPED OPEN SPACE   |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Candidate Mussels   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |            |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |

Notes: Multiple beaver dams US

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| Unnamed tributary  | co-0904-r-002   | <i>Sedimentation Risk Index</i><br><b>44</b> |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
|--|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|------|---|--------------------------------|--------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|---------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|-------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.8mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.255353548, -86.430402047<br><u>Land owner:</u> Dixon Family Partnership LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-3<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Head Farm Rd | <u>State:</u> Alabama                        |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS                            |  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> BnB,BoC,CdB,DmB,MBA,OrB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.15in     </p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Rip Rap | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> | <br>DS | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A / PASTURE/HAY</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / PASTURE/HAY | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | >30°  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | <2%   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Rip Rap   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>44</b>                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                            |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| 303(d)   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Wetland Species  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Rare and Imperiled   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | N/A / PASTURE/HAY                            |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                   |                   |    |     |               |    |     |

Notes: Significant difference between US and DS channel. Note sediment loading from DS Rt outlet pictured.

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## Unnamed tributary

co-1029-r-007

Sedimentation Risk Index  
**44**

Common: 6.9mi NE of Andalusia  
Drainage: Five Runs Creek GPS: 31.366635680, -86.389569020  
Land owner: Norma Davis & Rexil Larson

County: Covington  
PLSS (T-R-S): 5N-17E-30  
Parcel No.: 3  
Road Name: George Mims Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: CdB,CdC,DmB,MBA,OrB,OrC  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.15in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | BLUENOSE SHINER   |
| Land Use/ Cover    | Yes          | N/A /EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

| Unnamed tributary  | co-0901-r-002   | Sedimentation Risk Index<br><b>42</b>   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
|--|---|---|-------------|--------------|-------------------|-------------------------|----|-----|-------------------------|----|-----|---------------------------|------|-----|----------------------------|-------|-------------------|--------------------------------|----------------|-----|-------------------------------|----------------------|-----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 5.9mi SE of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.227759483, -86.445759086<br><u>Land owner:</u> Harold Powell -US, Robert Bishop -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-15<br><u>Parcel No.:</u> 3.02; 3<br><u>Road Name:</u> Eddie Cannon Rd | <u>State:</u> Alabama   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <br>Crossing Structure: US  | <br>US                                      |   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> |   |   | Risk Factor | Ranking      | Score             | <i>US Channel Morph</i> | C  | 5   | <i>DS Channel Morph</i> | C  | 5   | <i>DS Bank Alteration</i> | HIGH | 1   | <i>Upstream Skew Angle</i> | 5-30° | 3                 | <i>Crossing fill condition</i> | Good/Vegetated | 5   | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3   | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |
| Risk Factor  | Ranking   | Score   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>US Channel Morph</i>  | C   | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>DS Channel Morph</i>  | C   | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | HIGH  | 1   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | <2%   | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20   | 5   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Outlet Total</i>  | Unimproved Outlet System  | 1   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>42</b>   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> CdB,DmB,FuB,LyA,RaA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.1in       </p>   |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A / PASTURE/HAY</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature     | Within Range | Descriptive Field | 303(d)                  | No | N/A | Wetland Species         | No | N/A | Rare and Imperiled        | No   | N/A | Land Use/ Cover            | Yes   | N/A / PASTURE/HAY | Candidate Mussels              | No             | N/A | Sturgeon C.H.                 | No                   | N/A |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Feature  | Within Range  | Descriptive Field   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| 303(d)   | No  | N/A   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Wetland Species  | No  | N/A   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Rare and Imperiled   | No  | N/A   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Land Use/ Cover  | Yes   | N/A / PASTURE/HAY   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Candidate Mussels  | No  | N/A   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |
| Sturgeon C.H.  | No  | N/A   |             |              |                   |                         |    |     |                         |    |     |                           |      |     |                            |       |                   |                                |                |     |                               |                      |     |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |

Notes: US channelized ditch.

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| Unnamed tributary  | co-0901-r-005   | Sedimentation Risk Index<br>48     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|--|---|------------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|------------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 8.3mi S of Andalusia<br><u>Drainage:</u> Five Runs Creek <u>GPS:</u> 31.190552742, -86.452761413<br><u>Land owner:</u> Janice Elmore-US, H&F Elmore, -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-28<br><u>Parcel No.:</u> 20; 3.01<br><u>Road Name:</u> Elnor Rd   | <u>State:</u> Alabama              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|   |   |                                    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: DS   | DS  |                                    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>48</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking                            | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>     | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor  | Ranking   | Score                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | C   | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | DA  | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Vegetated   | 1                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System  | 5                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3                                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>48</b>                          |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> CdC,DmB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.05in       </p>  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>MEDIUM INTENSITY DEVELOPED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                            | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>MEDIUM INTENSITY DEVELOPED | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Feature  | Within Range  | Descriptive Field                  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| 303(d)   | No  | N/A                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Wetland Species  | No  | N/A                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Rare and Imperiled   | No  | N/A                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Land Use/ Cover  | Yes   | N/A/<br>MEDIUM INTENSITY DEVELOPED |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Candidate Mussels  | No  | N/A                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Sturgeon C.H.  | No  | N/A                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |

Notes: Short approach lengths. Close proximity to HWY 55.

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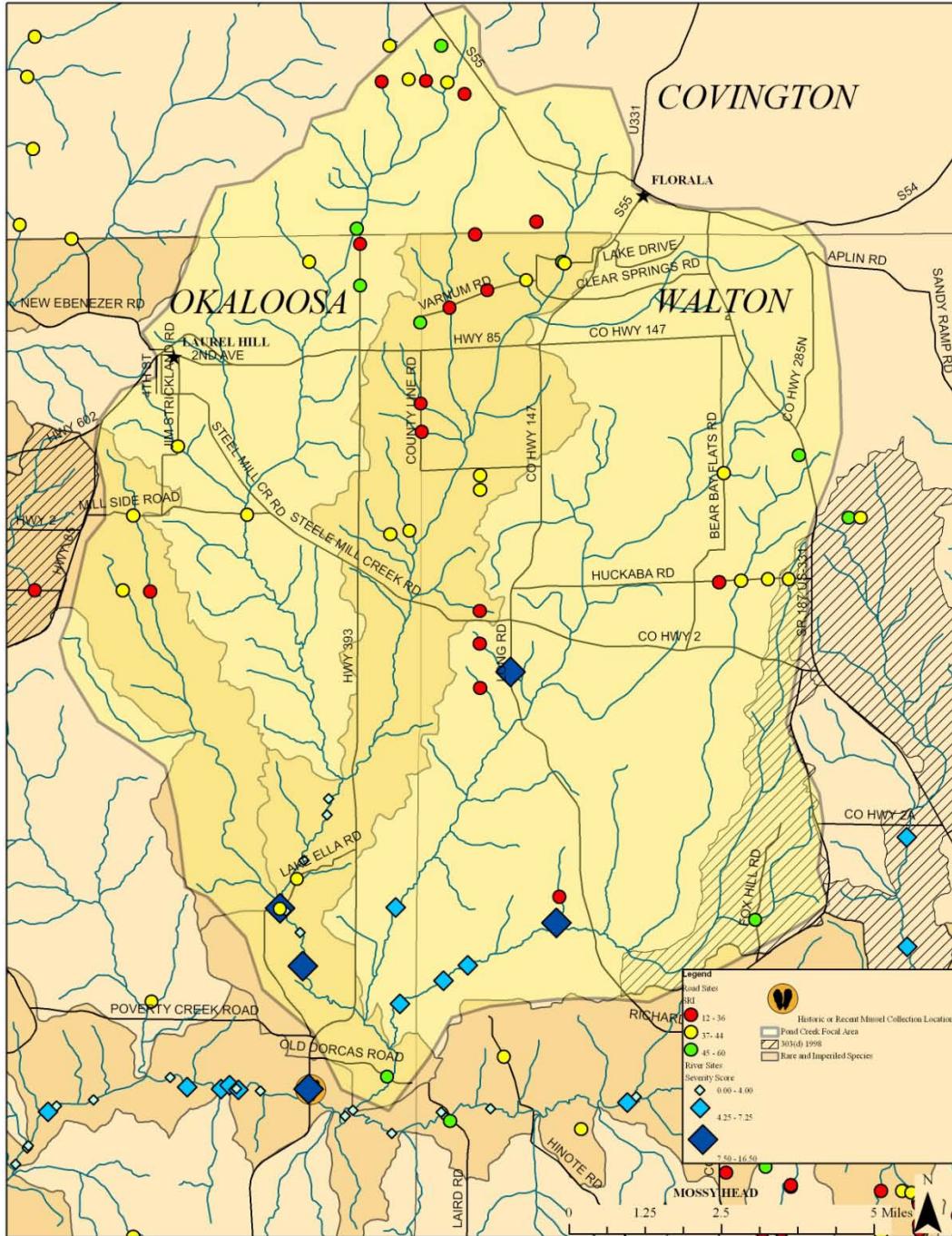


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Appendix F. Pond Creek Watershed Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Unnamed tributary   | wa-1007-001  | Severity Score<br><b>12</b>   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
|---|--|---|-------|--------------------------|------|---|---------------------------|-------------|-----|---------------------|--------|---|-------------|------|---|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|---------|-----|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|------|------------------------------|------|------|----------------------------|-----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|------------------------------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 13.8mi NE of Crestview, .6mi DS from Long Rd<br><u>Drainage:</u> Long Creek <u>GPS:</u> 30.830327056, -86.35221467<br><u>Land owner:</u> Parke Lexington II- Gainsville Ltd  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-21W-21<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
|    |  |   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
|   |  |   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <b>Pond overflow channel going into Long Creek (tree line)- DS</b>  |  |   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">In Recovery</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Obvious Sources</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>12</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | In Recovery | 1.5 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Present | 1.5 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> | <b>12</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">AGRICULTURAL/ RURAL LAND IN TRANSITION WITHOUT POSITIVE INDICATORS OF INTENDED ACTIVITY</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled Land Use/ Cover | Yes | AGRICULTURAL/ RURAL LAND IN TRANSITION WITHOUT POSITIVE INDICATORS OF INTENDED ACTIVITY | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> None<br/> <i>Impoundments:</i> Manmade (Large Pond)<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand</p> |
| Risk Factor   | Ranking  | Score   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Channel Stability</i>  | Fair   | 1   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Channel Alteration</i>   | In Recovery  | 1.5   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Bank Erosion</i>   | Active   | 1   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>BEHI</i>   | High   | 1   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Local NPSP</i>   | Obvious Sources  | 1.5   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Shoring Structures</i>   | Present  | 1.5   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>Fish Passage Barrier</i>   | Present  | 1.5   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75  |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75  |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>RB: Floodplain Access</i>  | None   | 0.75  |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <i>LB: Floodplain Access</i>  | None   | 0.75  |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>12</b>  |   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| Wetland Species   | No   | N/A   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled Land Use/ Cover  | Yes  | AGRICULTURAL/ RURAL LAND IN TRANSITION WITHOUT POSITIVE INDICATORS OF INTENDED ACTIVITY |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A   |       |                          |      |   |                           |             |     |                     |        |   |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |           |  |   |         |              |                   |        |    |     |                 |    |     |                                    |     |   |                   |    |     |               |    |     |  |

Notes: The overflow channel is lacking a riparian buffer leading to excessive runoff during flood events.  
 Some shoring structure has been used, but, ineffectively. Obvious aggradations are found downstream from this site.

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| Pond Creek  | ok-0928-001  | Severity Score<br>9.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
|---|--|--|-------|-------------------|------|-----|--------------------|----------|-----|--------------|--------|---|------|------|---|------------|-----------------|-----|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|---------|-----|---------------------|---------|------|---------------------|---------|------|-----------------------|---------|------|-----------------------|---------|------|----------------------------|--|------------|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|-----------------------------------|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|---|
| <u>Common:</u> 9.8mi NE of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.833902405, -86.42818011<br><u>Land owner:</u> Odessa Jackson  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-22<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
|    |  |  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| <b>Lake Ella Rd bridge crossing- US</b>   |  |  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>High</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Present</td> <td>1.5</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Present</td> <td>1.5</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>9.5</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Good | 0.5 | Channel Alteration | Historic | 0.5 | Bank Erosion | Active | 1 | BEHI | High | 1 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Present | 1.5 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Present | 1.5 | RB: Riparian Buffer | 0-29 ft | 0.75 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> |  | <b>9.5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>IRONCOLOR SHINER<br/>SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | IRONCOLOR SHINER<br>SPECKLED CHUB | Land Use/ Cover | Yes | AGRICULTURAL/<br>STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Numerous<br/> <i>Impoundments:</i> Manmade (Wooden Bridge)<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand</p> |
| Risk Factor   | Ranking  | Score  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Channel Stability   | Good   | 0.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Channel Alteration  | Historic   | 0.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Bank Erosion  | Active   | 1  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| BEHI  | High   | 1  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Local NPSP  | Obvious Sources  | 1.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Shoring Structures  | Present  | 1.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Pipe Discharge  | Not Present  | 0  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Water Odors   | Not Present  | 0  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Fish Passage Barrier  | Present  | 1.5  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| RB: Riparian Buffer   | 0-29 ft  | 0.75   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| LB: Riparian Buffer   | 0-29 ft  | 0.75   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| RB: Floodplain Access   | Partial  | 0.25   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| LB: Floodplain Access   | Partial  | 0.25   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| <b>River Threat Index:</b>  |  | <b>9.5</b>   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Feature   | Within Range   | Descriptive Field  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| 303(d)  | No   | N/A  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Wetland Species   | No   | N/A  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Rare and Imperiled  | Yes  | IRONCOLOR SHINER<br>SPECKLED CHUB  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Land Use/ Cover   | Yes  | AGRICULTURAL/<br>STREAMS AND WATERWAYS   |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Candidate Mussels   | No   | N/A  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |
| Sturgeon C.H.   | No   | N/A  |       |                   |      |     |                    |          |     |              |        |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |         |     |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |  |            |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |   |

Notes: Collapsed bridge causes a possible fish passage barrier and collects trash. Bridge blow out is likely due to high velocity flows during storm events from the widening and straightening of Pond Creek after it's confluence with Juniper Creek 0.10 miles upstream.

| Pond Creek  | ok-0928-004  | Severity Score<br>9               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
|---|--|-----------------------------------|-------|-------------------|------|-----|--------------------|-------------|---|--------------|--------|---|------|------|---|------------|--------------------|---|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|--------|------|---------------------|---------|------|-----------------------|---------|------|-----------------------|---------|------|----------------------------|--|----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|-----------------------------------|-----------------|-----|--------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 9.7mi NE from Crestview, 1.10mi DS Juniper Creek<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.820158372, -86.422168029<br><u>Land owner:</u> Robert & Celia Bannerman  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-26<br><u>Parcel No.:</u> 5             | <u>State:</u> Florida             |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| <br>LB   | <br>Google |                                   |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
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| Risk Factor   | Ranking  | Score                             |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Channel Stability   | Poor   | 1.5                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Channel Alteration  | In Recovery  | 1                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Bank Erosion  | Active   | 1                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| BEHI  | High   | 1                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Local NPSP  | Moderate Potential   | 1                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Shoring Structures  | Present  | 1.5                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0                                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 0-29ft   | 0.75                              |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 0-29 ft  | 0.75                              |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Partial  | 0.25                              |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Partial  | 0.25                              |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  |  | <b>9</b>                          |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                 |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Wetland Species   | No   | N/A                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | SPECKLED CHUB<br>IRONCOLOR SHINER |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | N/A /<br>STREAMS AND WATERWAYS    |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A                               |       |                   |      |     |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |        |      |                     |         |      |                       |         |      |                       |         |      |                            |  |          |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |                                |                   |    |     |               |    |     |  |

Notes: Shoring structure on right bank covers about 10% of site and is composed of rip rap and gabion Beer cans and primitive campsite indicate private use and access from local residents. Old power line crossing intersects this site. Sediment/sand loading into stream.

| Unnamed tributary   | wa-1105-004   | Severity Score<br><b>7.5</b>       |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
|---|---|------------------------------------|-------|--------------------------|-----------|---|---------------------------|-------------|---|---------------------|------|---|-------------|-------------|---|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|---------|-----|-----------------------------|---------|-----|----------------------------|----------|-----|----------------------------|----------|-----|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|------------------------------------|--------------------|----|-----|-----------------|-----|------------------------------------|-------------------|----|-----|---------------|----|-----|---------------------------------|--|--|--|--|--|------------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 7.6mi SE of Laurel Hill, Long Rd bridge crossing<br><u>Drainage:</u> Pine Log Creek <u>GPS:</u> 30.890084885, -86.364442063<br><u>Land owner:</u> Ronald Hurst- DS/ Jasper Dickenson, US   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 5N-21W-32<br><u>Parcel No.:</u> 5.001/ 4.001 | <u>State:</u> Florida              |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <br>DS   |         |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Excellent</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">In Recovery</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Non Eroding</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Moderate Potential</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">50-99 ft</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">50-99 ft</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>7.5</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking                            | Score | <i>Channel Stability</i> | Excellent | 0 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | None | 0 | <i>BEHI</i> | Non Eroding | 0 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Present | 1.5 | <i>Fish Passage Barrier</i> | Present | 1.5 | <i>RB: Riparian Buffer</i> | 50-99 ft | 0.5 | <i>LB: Riparian Buffer</i> | 50-99 ft | 0.5 | <i>RB: Floodplain Access</i> | None | 0 | <i>LB: Floodplain Access</i> | None | 0 | <b>River Threat Index:</b> | <b>7.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">1-3 FOCAL SPECIES IN WETLAND AREAS</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">AGRICULTURAL/ WETLAND FORESTED MIX</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Impoundments:</i> Rip Rap</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | AGRICULTURAL/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> Rip Rap |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking   | Score                              |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Excellent   | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | In Recovery   | 1                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | None  | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Non Eroding   | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | Moderate Potential  | 1                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Present   | 1.5                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present   | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Present   | 1.5                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Present   | 1.5                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 50-99 ft  | 0.5                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft  | 0.5                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | None  | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | None  | 0                                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>7.5</b>  |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range  | Descriptive Field                  |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| 303(d)  | No  | N/A                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled  | No  | N/A                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover   | Yes   | AGRICULTURAL/ WETLAND FORESTED MIX |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels   | No  | N/A                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.   | No  | N/A                                |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |   |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |   |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> Rip Rap  |   |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |   |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |   |                                    |       |                          |           |   |                           |             |   |                     |      |   |             |             |   |                   |                    |   |                           |         |     |                       |             |   |                    |         |     |                             |         |     |                            |          |     |                            |          |     |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                            |  |  |  |

Notes: Rip rap and box culvert outfall drop blocking flow and fish passage. Sediment islands DS. Channel wide and shallow, as opposed to US narrow.

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| Long Creek  | wa-1007-003  | Severity Score<br>7                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|-------------|---|---------------------|--------|---|-------------|----------|-----|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|------------------------------------|---------------------------|----|-----|------------------------|-----|--|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 13mi S of Flora<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 30.816668947, -86.383371139<br><u>Land owner:</u> LB: John & Leah Smith / RB: David & Toni Mayo   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-21W-30<br><u>Parcel No.:</u> 1.041 / 1       | <u>State:</u> Florida                    |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <br>LB   | <br>Google |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
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| Risk Factor   | Ranking  | Score                                    |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Alteration</i>   | In Recovery  | 1  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>BEHI</i>   | Historic   | 0.5                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Local NPSP</i>   | Moderate Potential   | 1  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Shoring Structures</i>   | Present  | 1.5                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75                                     |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75                                     |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>  | <b>7</b>   |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Feature   | Within Range   | Descriptive Field                        |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>303(d)</b>   | No   | N/A                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN WETLAND AREAS       |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Rare and Imperiled</b>   | No   | N/A                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | VACANT RESIDENTIAL/ WETLAND FORESTED MIX |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A                                      |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> None   |  |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |  |       |                          |      |     |                           |             |   |                     |        |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |

Notes: Site located on private rd- Hickory Tree Ln. Note nearby impoundment in aerial.

Private bridge and power line crossing. Sediment load coming from power line crossing and large culverts under road before bridge crossing.

| Pine Log Creek  | ok-1106-001   | Severity Score<br>7                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
|---|---|-------------------------------------|-------|-------------------|------|-----|--------------------|-------------|---|--------------|-------------|---|------|------|---|------------|-----------------|-----|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|------------------------------------|--------------------|----|-----|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 11.5mi NE of Crestview, 0.17mi S Lumber Ridge Rd<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.834270512, -86.395643623<br><u>Land owner:</u> Parke Lexington II- Gainsville LTD  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-24<br><u>Parcel No.:</u> 2.001A | <u>State:</u> Florida               |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <br>RB   |     |                                     |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td>Bank Erosion</td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td>BEHI</td> <td>High</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Present</td> <td>1.5</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>7</b></td> <td></td> </tr> </tbody> </table> | Risk Factor   | Ranking                             | Score | Channel Stability | Good | 0.5 | Channel Alteration | In Recovery | 1 | Bank Erosion | Not Eroding | 0 | BEHI | High | 1 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Present | 1.5 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 0-29 ft | 0.75 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>7</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Moderate<br/> <u>Impoundments:</u> Manmade- Collapsed Bridge<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Sand and Clay     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking   | Score                               |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Stability   | Good  | 0.5                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Alteration  | In Recovery   | 1                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Bank Erosion  | Not Eroding   | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| BEHI  | High  | 1                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Local NPSP  | Obvious Sources   | 1.5                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Shoring Structures  | Present   | 1.5                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present   | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Water Odors   | Not Present   | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present   | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 0-29 ft   | 0.75                                |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 0-29 ft   | 0.75                                |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Full  | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Full  | 0                                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>7</b>  |                                     |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Feature   | Within Range  | Descriptive Field                   |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| 303(d)  | No  | N/A                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS  |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Rare and Imperiled  | No  | N/A                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes   | AGRICULTURAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Candidate Mussels   | No  | N/A                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No  | N/A                                 |       |                   |      |     |                    |             |   |              |             |   |      |      |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                    |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |

Notes: Borrow pit/ logging operation runoff entering Pine Log Creek.

Historical photos show extensive clear cutting and development of borrow pits.

DS shows change to point bar development.

| Long Creek  | wa-1007-002   | Severity Score<br>5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
|---|---|--|---------|-------|--------------------------|------|-----|---------------------------|----------------------------|-----|---------------------|-------------|---|-------------|----------|-----|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|
| <u>Common:</u> 12mi NE of Crestview<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 30.820168208, -86.376672959<br><u>Land owner:</u> Alan & Deena Bryant  | <u>County:</u> Walton<br><u>PLSS/T-R-S:</u> 4N-21W-30<br><u>Parcel No.:</u> 1.013 | <u>State:</u> Florida  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <br><b>RB</b>  |   |  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
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| Risk Factor   | Ranking   | Score  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Channel Stability</i>  | Good  | 0.5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Channel Alteration</i>   | Historic, Mostly Recovered  | 0.5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Bank Erosion</i>   | Not Eroding   | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>BEHI</i>   | Moderate  | 0.5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Local NPSP</i>   | Obvious Sources   | 1.5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Shoring Structures</i>   | Present   | 1.5  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Pipe Discharge</i>   | Not Present   | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Water Odors</i>  | Not Present   | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft   | 0.25   |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.25   |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <i>LB: Floodplain Access</i>  | Full  | 0  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <b>River Threat Index:</b>  | <b>5</b>  |  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |
| <p>Notes: House 50 yards off right bank and road crossing.</p> <hr/> <hr/> <hr/>  |   |  |         |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |

| Long Creek  |   | ok-1007-004  | Severity Score<br>4.5                            |
|---|---|--|--|
| <u>Common:</u> 4.7mi N of Mossy Head  |   | <u>County:</u> Okaloosa  |  |
| <u>Drainage:</u> Pond Creek   | <u>GPS:</u> 30.811168453, -86.395416242 | <u>PLSS(T-R-S):</u> 4N-22W-24  | <u>State:</u> Florida                            |
| <u>Land owner:</u> Cecil Anchors Sr.  |   | <u>Parcel No.:</u> 2.002   |  |
|  |   |  |  |
| <b>RB</b>   |   |  |  |
| Risk Factor   | Ranking                                 | Score  | Feature  |
| <i>Channel Stability</i>  | Good                                    | 0.5  | <b>303(d)</b>                                    |
| <i>Channel Alteration</i>   | Historic, Mostly Recovered              | 0.5  | <b>Wetland Species</b>                           |
| <i>Bank Erosion</i>   | Not Eroding                             | 0  | <b>Rare and Imperiled</b>                        |
| <i>BEHI</i>   | Moderate                                | 0.5  | <b>Land Use/ Cover</b>                           |
| <i>Local NPSP</i>   | Moderate Potential                      | 1  | AGRICULTURAL/<br>STREAMS AND WATERWAYS           |
| <i>Shoring Structures</i>   | Present                                 | 1.5  | <b>Candidate Mussels</b>                         |
| <i>Pipe Discharge</i>   | Not Present                             | 0  | <b>Sturgeon C.H.</b>                             |
| <i>Water Odors</i>  | Not Present                             | 0  |  |
| <i>Fish Passage Barrier</i>   | Not Present                             | 0  |  |
| <i>RB: Riparian Buffer</i>  | 50-99 ft                                | 0.25   |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft                                | 0.25   |  |
| <i>RB: Floodplain Access</i>  | Full                                    | 0  | <b>Additional Site Features</b>                  |
| <i>LB: Floodplain Access</i>  | Full                                    | 0  | <i>Stream Channel Woody Material:</i> Infrequent |
| <b>River Threat Index:</b> 4.5  |   |  | <i>Impoundments:</i> None                        |
|   |   |  | <i>Substrate Composition:</i> Medium Sand        |
|   |   |  | <i>Bank Material:</i> Sand                       |

Notes: Logging road.

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| Pond Creek  | ok-0922-003  | Severity Score<br>3.75                    |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
|---|--|---|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|--------------|---|------------|-----------------|-----|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---------------------------------|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 10.1mi NE of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.845509026, -86.421623762<br><u>Land owner:</u> Schweizer Family Inc  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-14<br><u>Parcel No.:</u> 9             | <u>State:</u> Florida                     |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| <br>LB   | <br>Google |   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
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| Risk Factor   | Ranking  | Score                                     |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Channel Stability   | Good   | 0.5                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Channel Alteration  | None   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Bank Erosion  | Not Eroding  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| BEHI  | Low-Very Low   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Local NPSP  | Obvious Sources  | 1.5                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Shoring Structures  | Present  | 1.5                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 0-29 ft  | 0.25                                      |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Full   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Full   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  |  | <b>3.75</b>                               |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                         |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS         |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | IRONCOLOR SHINER, SPECKLED CHUB           |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | VACANT RESIDENTIAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A                                       |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |  |

Notes: Private residence. Pond Creek Rd 250 ft off Lt Bank

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| Pond Creek  | ok-0922-002  | Severity Score<br>3  |  |              |   |
|---|--|--|--|--------------|---|
| <u>Common:</u> 8.2mi SE of Laurel Hill<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.856246619, -86.415180276<br><u>Land owner:</u> Randall & Sheila Bates | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-11<br><u>Parcel No.:</u> 1.006 | <u>State:</u> Florida  |  |              |   |
|    |  |  |  |              |   |
| <b>RB</b>   |  |  |  |              |   |
| Risk Factor   | Ranking  | Score  | Feature  | Within Range | Descriptive Field                                       |
| <i>Channel Stability</i>  | Good   | 0.5  | 303(d)   | No           | N/A   |
| <i>Channel Alteration</i>   | None   | 0  | Wetland Species                                | No           | N/A   |
| <i>Bank Erosion</i>   | Historic   | 0.5  | Rare and Imperiled                             | Yes          | IRONCOLOR SHINER, SPECKLED CHUB                         |
| <i>BEHI</i>   | Moderate   | 0.5  | Land Use/ Cover                                | Yes          | ACREAGE NOT ZONED FOR AGRICULTURE/ WETLAND FORESTED MIX |
| <i>Local NPSP</i>   | No Evidence  | 0  | Candidate Mussels                              | No           | N/A   |
| <i>Shoring Structures</i>   | Not Present  | 0  | Sturgeon C.H.                                  | No           | N/A   |
| <i>Pipe Discharge</i>   | Not Present  | 0  | <b>Additional Site Features</b>                |              |   |
| <i>Water Odors</i>  | Not Present  | 0  | <i>Stream Channel Woody Material:</i> Moderate |              |   |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  | <i>Impoundments:</i> None                      |              |   |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75   | <i>Substrate Composition:</i> Medium Sand      |              |   |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  | <i>Bank Material:</i> Sand                     |              |   |
| <i>RB: Floodplain Access</i>  | None   | 0.75   |  |              |   |
| <i>LB: Floodplain Access</i>  | Full   | 0  |  |              |   |
| <b>River Threat Index:</b> 3  |  |  |  |              |   |

Notes: None

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| Pond Creek  | ok-0922-001  | Severity Score<br>3                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|---|--|------------------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|----------|-----|------------|--------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|---------|-----|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---------------------------------|-----------------|-----|------------------------------------|-------------------|----|-----|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 7.8mi SE of Laurel Hill<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.860098559, -86.414757161<br><u>Land owner:</u> Daniel & Angela Raybon   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-22W-11<br><u>Parcel No.:</u> 1.002 | <u>State:</u> Florida              |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <br>LB   |    |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
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| Risk Factor   | Ranking  | Score                              |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Channel Stability   | Good   | 0.5                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Channel Alteration  | None   | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Bank Erosion  | Not Eroding  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| BEHI  | Moderate   | 0.5                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Local NPSP  | Slight   | 0.5                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Shoring Structures  | Not Present  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Pipe Discharge  | Not Present  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Water Odors   | Present  | 1.5                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Fish Passage Barrier  | Not Present  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| RB: Riparian Buffer   | 100+ ft  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| LB: Riparian Buffer   | 100+ ft  | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| RB: Floodplain Access   | Full   | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| LB: Floodplain Access   | Full   | 0                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>  | <b>3</b>   |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Feature   | Within Range   | Descriptive Field                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| 303(d)  | No   | N/A                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Wetland Species   | No   | N/A                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Rare and Imperiled  | Yes  | IRONCOLOR SHINER, SPECKLED CHUB    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Land Use/ Cover   | Yes  | RESIDENTIAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Candidate Mussels   | No   | N/A                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Sturgeon C.H.   | No   | N/A                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>   |  |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> None   |  |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |                                    |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |        |     |                    |             |   |                |             |   |             |         |     |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                    |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |

Notes: Anaerobic water odors. Private road access site or old logging road?

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| Pond Creek  | ok-0928-002  | Severity Score<br>2.75              |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
|---|--|-------------------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|----------|-----|------------|-----------------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|----------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---------------------------------|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 9.9mi NE of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.83335592, -86.426809628<br><u>Land owner:</u> Odessa Jackson  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 4N-22W-22<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida               |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| <br>RB   |  |                                     |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>50-99 ft</td> <td>0.25</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2.75</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking                             | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Not Eroding | 0 | BEHI | Moderate | 0.5 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 50-99 ft | 0.25 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>2.75</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Moderate<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score                               |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Stability   | Good   | 0.5                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Alteration  | None   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Bank Erosion  | Not Eroding  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| BEHI  | Moderate   | 0.5                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Local NPSP  | Obvious Sources  | 1.5                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Shoring Structures  | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 100+ ft  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 50-99 ft   | 0.25                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Full   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Full   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>2.75</b>  |                                     |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                   |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Wetland Species   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | IRONCOLOR SHINER, SPECKLED CHUB     |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | AGRICULTURAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |          |      |                       |      |   |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |                                     |                   |    |     |               |    |     |  |

Notes: RT bank target practice for residence/camp on LB

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| Pond Creek  | ok-0928-003  | Severity Score<br>1.75                            |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|---|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|------|---|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|---------|------|-----------------------|------|---|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---------------------------------|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 9.9mi SE of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.828322813, -86.422834915<br><u>Land owner:</u> RB: Tonya Roberts & Bernard Harris / LB: Curtis Johnson  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 4N-22W-23<br><u>Parcel No.:</u> 1.0503/1.069 | <u>State:</u> Florida                             |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>LB   |    |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td>BEHI</td> <td>High</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>1.75</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Not Eroding | 0 | BEHI | High | 1 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A / WETLAND FORESTED MIX, STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | N/A / WETLAND FORESTED MIX, STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Channel Stability   | Good   | 0.5   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Channel Alteration  | None   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Bank Erosion  | Not Eroding  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| BEHI  | High   | 1   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Local NPSP  | No Evidence  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Shoring Structures  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Pipe Discharge  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Water Odors   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Fish Passage Barrier  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| RB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| LB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| RB: Floodplain Access   | Partial  | 0.25  |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| LB: Floodplain Access   | Full   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>1.75</b>  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field                                 |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)  | No   | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species   | No   | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled  | Yes  | IRONCOLOR SHINER, SPECKLED CHUB                   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover   | Yes  | N/A / WETLAND FORESTED MIX, STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels   | No   | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.   | No   | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |      |   |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Aggradational Site: Large, fresh deposits common. Significant change since the confluence with Juniper Creek, there were very few point bars above the confluence.

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# Unnamed tributary

wa-0617-r-004

Sedimentation Risk Index  
**24**

Common: 4.3mi SE of Laurel Hill  
Drainage: Pond Creek GPS: 30.947250, -86.388542  
Land owner: Rayonier Timberlands Inc-DS, Danny Riley-US

County: Walton  
PLSS(T-R-S): 5N-21-07; 5N-22-12  
Parcel No.: 2; 3.008  
Road Name: County Line Rd.

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                          | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>24</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 2,3,10,11,15,20  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER    |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: Left culvert blocked

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# Unnamed tributary

wa-0625-r-002

Sedimentation Risk Index  
**24**

Common: 3mi SW of Flora  
Drainage: Pond Creek  
Land owner: Robert Grier

GPS: 30.980783, -86.370153

County: Walton  
PLSS(T-R-S): 6N-21-32  
Parcel No.: 4.001  
Road Name: Varnum Rd

State: Florida



Crossing Structure: DS

DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>24</b> |



## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 13,14,15,22,23,60,61  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER    |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: Pond drainage with buried culvert

## Unnamed tributary

wa-0706-r-003

Sedimentation Risk Index  
**24**

Common: 7.9mi SW of Florala  
Drainage: Pine Log Creek GPS: 30.896728, -86.372864  
Land owner: Shiela Hoke- DS, Boncile Lowery- US

County: Walton  
PLSS(T-R-S): 5N-21-29/30  
Parcel No.: 7; 6  
Road Name: Allen Rd

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | D                                  | 1         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Unimproved Outlet System           | 1         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>24</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 10,11,13,14,15,23,29  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field                     |
|--------------------|--------------|---------------------------------------|
| 303(d)             | No           | N/A                                   |
| Wetland Species    | No           | N/A                                   |
| Rare and Imperiled | No           | N/A                                   |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                   |
| Sturgeon C.H.      | No           | N/A                                   |

Notes: None

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# Horsehead Creek

co-0731-r-008

Sedimentation Risk Index  
**28**

Common: 3.2mi NW of Florala  
Drainage: Pond Creek GPS: 31.027514, -86.376183  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 1N-17E-29  
Parcel No.: 2  
Road Name: Union Church Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>28</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: CdB,CdC,DmB,MBA  
Rt Approach Prism Fill: 3.0in  
Lt Approach Prism Fill: 1.5in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Misplaced culverts, also evident in aerial photo.

## Unnamed tributary

wa-0706-r-001

Sedimentation Risk Index  
**28**

Common: 8.6mi SW of Florala  
Drainage: Pine Log Creek      GPS: 30.886233, -86.372805  
Land owner: Carolyn Dixon- US, Unknown-DS

County: Walton  
PLSS(T-R-S): 5N-21-31  
Parcel No.: 3  
Road Name: Allen Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Concrete                   | 0         |
| <i>Upstream Lt Outlet</i>           | Concrete                   | 0         |
| <i>Upstream Rt Ditch</i>            | Concrete                   | 0         |
| <i>Upstream Lt Ditch</i>            | Concrete                   | 0         |
| <i>Downstream Rt Outlet</i>         | Concrete                   | 0         |
| <i>Downstream Lt Outlet</i>         | Concrete                   | 0         |
| <i>Downstream Rt Ditch</i>          | Concrete                   | 0         |
| <i>Downstream Lt Ditch</i>          | Concrete                   | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 2,10,11,14,13,15,25,26,29,35  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL,PARCELS WITH NO VALUES/WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS drop off

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## Unnamed tributary

wa-0706-r-002

Sedimentation Risk Index  
**30**

Common: 7.3mi SW of Florala  
Drainage: Pond Creek GPS: 30.904591, -86.372801  
Land owner: William Dixon Jr-US, Michael Lowery-DS

County: Walton  
PLSS(T-R-S): 5N-21-29/30  
Parcel No.: 5; 2.001  
Road Name: Frost Rd



Crossing Structure: DS

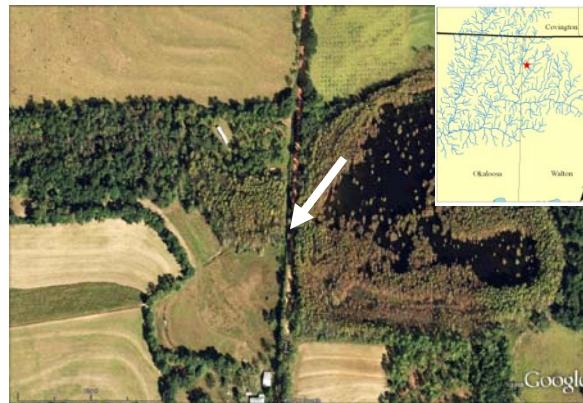


US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | D                                | 1         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>30</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 10,15,22,25,26,39  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                |
|--------------------|--------------|----------------------------------|
| 303(d)             | No           | N/A                              |
| Wetland Species    | No           | N/A                              |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER  |
| Land Use/ Cover    | Yes          | RESIDENTIAL/ HAY FIELDS, CYPRESS |
| Candidate Mussels  | No           | N/A                              |
| Sturgeon C.H.      | No           | N/A                              |

Notes: Misplaced culvert.

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## Unnamed tributary

co-0731-r-004

Sedimentation Risk Index  
**34**

Common: 4.5mi NW of Florala  
Drainage: Horsehead Creek GPS: 31.030550, -86.399066  
Land owner: James & Judy McGee -US, Diane Mock -DS

County: Covington  
PLSS (T-R-S): 1N-16E-24/25  
Parcel No.: 5; 3.01  
Road Name: Union Church Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Metal  
Soil Types: BoC,CdB,DmB,FuB,LuB,MBA  
Rt Approach Prism Fill: 1.00in  
Lt Approach Prism Fill: 2.50in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: High sediment load DS.

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## Unnamed tributary

co-0731-r-011

Sedimentation Risk Index  
**34**

Common: 1.8mi SW of Florala  
Drainage: Pond Creek GPS: 30.997090, -86.356523  
Land owner: EPC Holdings Rayonier Crenshaw LLC

County: Covington  
PLSS (T-R-S): 6N-21W-29/28  
Parcel No.: 1  
Road Name: One Bridge Rd

State: Alabama



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                       | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: BoC,CdC,DmB,FuB,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: Vegetated island between culverts DS

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## Unnamed tributary

co-0731-r-006

Sedimentation Risk Index  
**36**

Common: 3.9mi NW of Florala  
Drainage: Horsehead Creek GPS: 30.997012, -86.499121  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 1N-17E-19/30  
Parcel No.: 1  
Road Name: Union Church Rd



Crossing Structure: US



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoC,CdB,CdC,DmB,FuB,MBA  
Rt Approach Prism Fill: 2.75in  
Lt Approach Prism Fill: 2.0in



| Feature            | Within Range | Descriptive Field               |
|--------------------|--------------|---------------------------------|
| 303(d)             | No           | N/A                             |
| Wetland Species    | No           | N/A                             |
| Rare and Imperiled | No           | N/A                             |
| Land Use/ Cover    | Yes          | N/A/<br>LOW INTENSITY DEVELOPED |
| Candidate Mussels  | No           | N/A                             |
| Sturgeon C.H.      | No           | N/A                             |

Notes: Undersized culvert.

## Unnamed tributary

ok-0528-r-002

Sedimentation Risk Index

**36**

Common: 3.8mi NE of Laurel Hill  
Drainage: Horsehead Creek GPS: 30.992017, -86.405206  
Land owner: Marvin & Edwin Vickers-DS, Dale Riley-US

County: Okaloosa  
PLSS(T-R-S): 6N-22-26  
Parcel No.: 1.001, 3  
Road Name: Robinson Rd

State: Florida

Crossing Structure: US

US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 13,36,37,39,40,41,42,43,49,52,55,56  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.75in

| Feature            | Within Range | Descriptive Field          |
|--------------------|--------------|----------------------------|
| 303(d)             | No           | N/A                        |
| Wetland Species    | No           | N/A                        |
| Rare and Imperiled | No           | N/A                        |
| Land Use/ Cover    | Yes          | N/A / WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                        |
| Sturgeon C.H.      | No           | N/A                        |

Notes: High sedimentation levels from outlets.

# Juniper Creek

ok-0528-r-008

Sedimentation Risk Index  
**36**

Common: 3.9mi S of Laurel Hill  
Drainage: Pond Creek GPS: 30.909656, -86.463711  
Land owner: T.R. Miller Mill Co-DS, Carolyn Tyner Trustee- US

County: Okaloosa  
PLSS(T-R-S): 5N-22-29/20  
Parcel No.: 1, 2,001  
Road Name: E Plympton Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                 | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 3  
Crossing Materials: Metal  
Soil Types: 12,16,36,37,39,40,42,43  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | Yes          | SPECKLED CHUB                     |
| Land Use/ Cover    | Yes          | N/A / WETLAND FORESTED MIX        |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Outlets mix of vegetation and rip rap--beaver dam skewing angle

## Unnamed tributary

wa-0617-r-005

Sedimentation Risk Index  
**36**

Common: 4.3mi E of Laurel Hill  
Drainage: Pond Creek GPS: 30.953947, -86.388783  
Land owner: Timothy & Nelda Fleming-DS, Rose in Bloom Inc-US

County: Walton State: Florida  
PLSS(T-R-S): 5N-21-06; 5N-22-01  
Parcel No.: 15; 10  
Road Name: County Line Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                            | 5         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Synthetic                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>36</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 2,3,10,11,15,20  
Rt Approach Prism Fill: 2.5in  
Lt Approach Prism Fill: 3.0in



| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER    |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: None.

# Fleming Creek

wa-0625-r-003

Sedimentation Risk Index  
**36**

Common: 3.7 SW of Florala  
Drainage: Pond Creek      GPS: 30.976764, -86.380619  
Land owner: John R Cox-US, Newton Busbee-DS

County: Walton  
PLSS(T-R-S): 6N-21-31  
Parcel No.: 4; 2  
Road Name: Varnum Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | B                                | 5         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 2,3,10,15,22,25,26,31,32,60  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER                                 |
| Land Use/ Cover    | Yes          | VACANT RESIDENTIAL,<br>AGRICULTURAL/<br>MIXED WETLAND HARDWOODS |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Need to stabilize prism fill on approaches.

# Unnamed tributary

wa-0625-r-006

Sedimentation Risk Index  
**28**

Common: 2.8mi SW of Florala  
Drainage: Fleming Creek GPS: 30.994142, -86.373522  
Land owner: James & Barbara Craig- DS, S.G. & Betty Hargrove Sr.-  
US

County: Walton  
PLSS(T-R-S): 6N-21-20/29  
Parcel No.: 1; 2  
Road Name: Franklin Rd

State: Florida



Crossing Structure: US



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y <sup>3</sup>       | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 2,3,10,11,13,14,15  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field                       |
|--------------------|--------------|---|
| 303(d)             | No           | N/A                                     |
| Wetland Species    | No           | N/A                                     |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER         |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A                                     |
| Sturgeon C.H.      | No           | N/A                                     |

Notes: Draining agricultural pond US

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# Unnamed tributary

wa-1005-r-005

Sedimentation Risk Index  
**36**

Common: 6.9mi N of Mossy Head  
Drainage: Long Creek      GPS: 30.836530868, -86.351276376  
Land owner: Dreamland Investments & LLC-US, Parke Lexington II of Gainesville LTD- DS

County: Walton  
PLSS (T-R-S): 4N-21-16-38000  
Parcel No.: 2.0010; 1  
Road Name: Long Rd

State: Florida



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <b>Outlet Total</b>                 | Partially Improved Outlet System | 3         |
| <b>Ditches Total</b>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 2,15,17,31,32,33  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                                |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL,PARCELS / MIXED SCRUB-SHRUB WETLAND |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: 2<sup>nd</sup> culvert is concrete and placed well above the water level.

# Juniper Creek

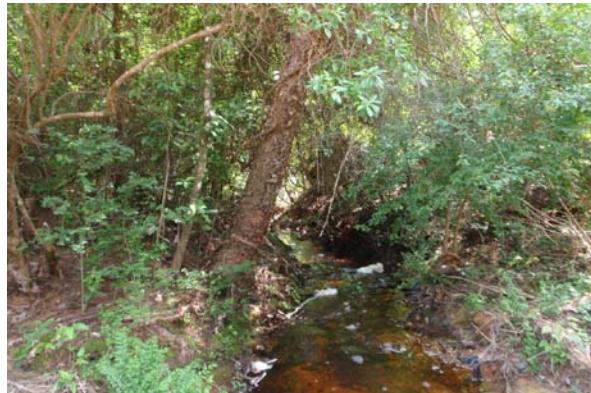
ok-0528-r-006

Sedimentation Risk Index  
**38**

Common: 2.7mi SW of Laurel Hill  
Drainage: Pond Creek GPS: 30.927733, -86.468278  
Land owner: Mary & Michael Joseph- US, Annette & Thomas Malaszweski-DS

County: Okaloosa  
PLSS(T-R-S): 5N-22-17  
Parcel No.: 5, 3.001  
Road Name: Millside Rd

State: Florida



Crossing Structure: DS

DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>38</b> |



## Additional Site Features

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Metal  
Soil Types: 37,38,39,40,43  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field                    |
|--------------------|--------------|--------------------------------------|
| 303(d)             | No           | N/A                                  |
| Wetland Species    | No           | N/A                                  |
| Rare and Imperiled | Yes          | SPECKLED CHUB                        |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ CONIFEROUS PLANTATIONS |
| Candidate Mussels  | No           | N/A                                  |
| Sturgeon C.H.      | No           | N/A                                  |

Notes: Newly reconstructed crossing. DS drop off.

## Unnamed tributary

wa-0626-r-005

Sedimentation Risk Index  
**34**

Common: 6.6mi SE of Florala  
Drainage: Long Creek GPS: 30.911070, -86.306770  
Land owner: Ricky & Jacqueline Adams- US, Joe & Cheryl Gillam-DS  
 East, Thomas & Doris Bell- DS West

County: Walton  
PLSS(T-R-S): 5N-21-23/26  
Parcel No.: 4.001; 1.001; 1  
Road Name: Campground Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 13, 15, 22, 40, 31, 32, 60, 69  
Rt Approach Prism Fill: 0.35in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                          |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>UPLAND CONIFEROUS FORESTS |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Second culvert 50 ft west of first, blocked

|   |  |                                  |                                 |
|---|--|----------------------------------|---------------------------------|
| Unnamed tributary   |  | ok-0617-r-007                    |                                 |
| <u>Common:</u> 4.7mi SE of Laurel Hill  | <u>GPS:</u> 30.922968, -86.397368  | <u>County:</u> Okaloosa          | <u>Sedimentation Risk Index</u> |
| <u>Drainage:</u> Pond Creek   |  | <u>PLSS(T-R-S):</u> 5N-22-24     | <u>State:</u> Florida           |
| <u>Land owner:</u> Sonya Webb   |  | <u>Parcel No.:</u> 2.005         |                                 |
|   |  | <u>Road Name:</u> County Line Rd | <b>40</b>                       |
|  |  | US                               |                                 |
| Crossing Structure: US  |  |                                  |                                 |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>                     |                                 |
| <i>US Channel Morph</i>   | BEAVER DAM   | 3                                |                                 |
| <i>DS Channel Morph</i>   | DA   | 3                                |                                 |
| <i>DS Bank Alteration</i>   | HIGH   | 1                                |                                 |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3                                |                                 |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5                                |                                 |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5                                |                                 |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                |                                 |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1                                |                                 |
| <i>Approach Slope Mean</i>  | <2%  | 5                                |                                 |
| <i>Soil K Factor</i>  | <0.20  | 5                                |                                 |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                |                                 |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                |                                 |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0                                |                                 |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0                                |                                 |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1                                |                                 |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1                                |                                 |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0                                |                                 |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0                                |                                 |
| <i>Outlet Total</i>   | Improved Outlet System   | 5                                |                                 |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1                                |                                 |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>                        |                                 |
| <b>Additional Site Features</b>   |  |                                  |                                 |
| <u>Crossing Type and Quantity:</u>  | Culvert, 2   |                                  |                                 |
| <u>Crossing Materials:</u>  | Metal  |                                  |                                 |
| <u>Soil Types:</u>  | 36,37,41,43,46   |                                  |                                 |
| <u>Rt Approach Prism Fill:</u>  | 1.0in  |                                  |                                 |
| <u>Lt Approach Prism Fill:</u>  | 0.5in  |                                  |                                 |
|   |  |                                  |                                 |
|   |  |                                  |                                 |
|   |  |                                  |                                 |

Notes: None

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| Unnamed tributary   |                                    | wa-0617-r-003  | Sedimentation Risk Index<br><b>38</b> |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
|---|------------------------------------|--|---------------------------------------|-------------|--------------|-------------------|--------|-------------------------|--------|-----------------|----|-------------------------|--------------------|-----|---------------------------------|---------------------------|------|--|-------------------|----------------------------|-------|---------------|----|--------------------------------|--------------|---|--|-------------------------------|---------------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|--------|---|--|----------------------|-------|---|--|---------------------------|-----------|---|--|---------------------------|---------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|---------|---|--|----------------------------|-----------|---|--|---------------------|----------------------------------|---|--|----------------------|------------------------------------|---|--|------------------|--------------------|-----------|--|
| <u>Common:</u> 5.4mi SW of Florala  | <u>Drainage:</u> Pond Creek        | <u>GPS:</u> 30.936847, -86.372483  | <u>County:</u> Walton                 |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <u>Land owner:</u> Jody Jones-US, Edward & Magdaline Reed- DS   |                                    | <u>PLSS(T-R-S):</u> 5N-21-17/18  | <u>State:</u> Florida                 |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
|   |                                    | <u>Parcel No.:</u> 1.0021; 1   |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
|   |                                    | <u>Road Name:</u> Frost Ln.  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
|    |                                    |  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Crossing Structure: US  |                                    | DS   |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> <th></th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td><td></td></tr> <tr><td><i>DS Channel Morph</i></td><td>PONDED</td><td>1</td><td></td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td><td></td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td><td></td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td><td></td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td></td></tr> <tr><td><i>Road Approach Material</i></td><td>All Aggregate</td><td>5</td><td></td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td></td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td><td></td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Rip Rap</td><td>1</td><td></td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Rip Rap</td><td>1</td><td></td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td><td></td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td><td></td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>38</b></td><td></td></tr> </tbody> </table> |                                    |  |                                       | Risk Factor | Ranking      | Score             |        | <i>US Channel Morph</i> | PONDED | 1               |    | <i>DS Channel Morph</i> | PONDED             | 1   |                                 | <i>DS Bank Alteration</i> | HIGH | 1  |                   | <i>Upstream Skew Angle</i> | 5-30° | 3             |    | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  | <i>Road Approach Material</i> | All Aggregate | 5 |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  | <i>Approach Slope Mean</i> | 2.1-4% | 3 |  | <i>Soil K Factor</i> | <0.20 | 5 |  | <i>Upstream Rt Outlet</i> | Bare soil | 0 |  | <i>Upstream Lt Outlet</i> | Rip Rap | 1 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  | <i>Downstream Rt Outlet</i> | Vegetated | 1 |  | <i>Downstream Lt Outlet</i> | Bare soil | 0 |  | <i>Downstream Rt Ditch</i> | Rip Rap | 1 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <i>Outlet Total</i> | Partially Improved Outlet System | 3 |  | <i>Ditches Total</i> | Partially Improved Drainage System | 3 |  | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |
| Risk Factor   | Ranking                            | Score  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>US Channel Morph</i>   | PONDED                             | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>DS Channel Morph</i>   | PONDED                             | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>DS Bank Alteration</i>   | HIGH                               | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Upstream Skew Angle</i>  | 5-30°                              | 3  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap                       | 3  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                      | 5  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Road Approach Material</i>   | All Aggregate                      | 5  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                             | 5  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Approach Slope Mean</i>  | 2.1-4%                             | 3  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Soil K Factor</i>  | <0.20                              | 5  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Upstream Rt Outlet</i>   | Bare soil                          | 0  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Upstream Lt Outlet</i>   | Rip Rap                            | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                          | 0  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                          | 0  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Downstream Rt Outlet</i>   | Vegetated                          | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Downstream Lt Outlet</i>   | Bare soil                          | 0  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Downstream Rt Ditch</i>  | Rip Rap                            | 1  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                          | 0  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System | 3  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>                 | <b>38</b>  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Bridge, 1</p> <p><u>Crossing Materials:</u> Wood</p> <p><u>Soil Types:</u> 15,31,32</p> <p><u>Rt Approach Prism Fill:</u> 0.05in</p> <p><u>Lt Approach Prism Fill:</u> 0.05in</p>   |                                    |  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
|    |                                    |  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>SPECKLED CHUB, IRONCOLOR SHINER</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>PARCELS WITH NO VALUES/ WETLAND FORESTED MIX</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table>   |                                    |  |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No                      | N/A    | Wetland Species | No | N/A                     | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover           | Yes  | PARCELS WITH NO VALUES/ WETLAND FORESTED MIX | Candidate Mussels | No                         | N/A   | Sturgeon C.H. | No | N/A                            |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Feature   | Within Range                       | Descriptive Field  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| 303(d)  | No                                 | N/A  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Wetland Species   | No                                 | N/A  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Rare and Imperiled  | Yes                                | SPECKLED CHUB, IRONCOLOR SHINER  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Land Use/ Cover   | Yes                                | PARCELS WITH NO VALUES/ WETLAND FORESTED MIX                                       |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Candidate Mussels   | No                                 | N/A  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |
| Sturgeon C.H.   | No                                 | N/A  |                                       |             |              |                   |        |                         |        |                 |    |                         |                    |     |                                 |                           |      |  |                   |                            |       |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |         |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |         |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                    |           |  |

Notes: Fencing across DS

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# Long Creek

wa-0626-r-004

Sedimentation Risk Index  
**40**

Common: 6.8mi SE of Florala  
Drainage: Pond Creek GPS: 30.911463, -86.300719  
Land owner: Wayne & Joanna Campbell- US, Sharron Adrian- DS

County: Walton  
PLSS(T-R-S): 5N-21-24/25  
Parcel No.: 2; 2.001  
Road Name: Campground Rd

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 13,15,22,40,31,32,60,69  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.75in



| Feature            | Within Range | Descriptive Field        |
|--------------------|--------------|--------------------------|
| 303(d)             | No           | N/A                      |
| Wetland Species    | No           | N/A                      |
| Rare and Imperiled | No           | N/A                      |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ BAY SWAMPS |
| Candidate Mussels  | No           | N/A                      |
| Sturgeon C.H.      | No           | N/A                      |

Notes: Water not flowing.

| Unnamed tributary  | co-0731-r-005  | <i>Sedimentation Risk Index</i><br><b>42</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
|--|--|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.1mi NW of Florala<br><u>Drainage:</u> Horsehead Creek <u>GPS:</u> 31.031038, -86.391598<br><u>Land owner:</u> Carol Coon -US, Rayonier Forest Resources LP-DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-17E-19/30<br><u>Parcel No.:</u> 5.02; 1<br><u>Road Name:</u> Union Church Rd | <u>State:</u> Alabama   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
|   |    |   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Crossing Structure: US   | DS   |  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
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| Risk Factor  | Ranking  | Score   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | E  | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E  | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| 303(d)   | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Rare and Imperiled   | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Land Use/ Cover  | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoC,CdB,CdC,DmB,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 2.0in<br><u>Lt Approach Prism Fill:</u> 2.5in   |  |   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |

Notes: High sediment load from DS outlet.

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| Unnamed tributary   | ok-0617-r-006  | Sedimentation Risk Index<br><b>42</b>                      |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
|---|--|--|---|-------------------------|----|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 5mi SE of Laurel Hill<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 30.923731, -86.391997<br><u>Land owner:</u> Ema Massoni- US/Rayonier Forest Resource LP-DS  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-22-13/24<br><u>Parcel No.:</u> 7; 1<br><u>Road Name:</u> County Line Rd  | <u>State:</u> Florida                                      |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
|    |    |  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| Crossing Structure: US  | US   |  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th><th style="text-align: left;">Ranking</th><th style="text-align: right;">Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td style="text-align: right;">1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td style="text-align: right;">5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td style="text-align: right;">5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td style="text-align: right;">1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Synthetic</td><td style="text-align: right;">1</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td style="text-align: right;">5</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td style="text-align: right;">3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Synthetic | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA   | 3  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | >30°   | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Synthetic  | 1  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |   |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 3<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 4, 34, 36, 43, 51<br><u>Rt Approach Prism Fill:</u> 2.0in<br><u>Lt Approach Prism Fill:</u> 1.5in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>Yes<br>Yes<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>1-3 FOCAL SPECIES IN UPLAND AREAS<br>SPECKLED CHUB, IRONCOLOR SHINER<br>AGRICULTURAL/ WETLAND FORESTED MIX<br>N/A<br>N/A |                         |    |   |                         |    |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |

Notes: Adjacent to farm land.

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# East Branch

wa-0626-r-001

Sedimentation Risk Index  
**46**

Common: 4.8mi SE of Florala  
Drainage: Pine Log Creek GPS: 30.937011, -86.305311  
Land owner: Joseph Mary Jo Smith et al- US, Big Sky Inc-DS

County: Walton  
PLSS(T-R-S): 5N-21-13/14  
Parcel No.: 2; 1  
Road Name: Bear Bay Road



Crossing Structure: US



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 3  
Crossing Materials: Metal  
Soil Types: 13,14,15,20,31,35,69  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/<br>WETLAND FORESTED MIX,<br>CONIFEROUS PLANTATIONS |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

| Unnamed tributary   | wa-0626-r-003  | <i>Sedimentation Risk Index</i><br><b>42</b>             |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|--|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 6.8mi SE of Florala<br><u>Drainage:</u> Little Creek <u>GPS:</u> 30.911756, -86.293225<br><u>Land owner:</u> John Tucker Jr- US, Mary Prater McLean-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 5N-21-24/25<br><u>Parcel No.:</u> 8; 1<br><u>Road Name:</u> Campground Rd     | <u>State:</u> Florida                                    |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
|    |    |  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: US  | US   |  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td style="text-align: right;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td style="text-align: right;">5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td style="text-align: right;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>21-40 y³</td><td style="text-align: right;">3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td style="text-align: right;">3</td></tr> <tr><td><i>Soil K Factor</i></td><td>0.21-0.40</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td style="text-align: right;">5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr><td><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score  | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor   | Ranking  | Score  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | C  | 5  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³   | 3  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b>   |  |  |  |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |
| <u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 13,15,22,40,31,32,60<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.5in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>AGRICULTURAL,PARCELS WITH NO VALUES/MIXED WETLAND HARDWOODS<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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| Unnamed tributary  | wa-0706-r-004  | Sedimentation Risk Index<br><b>42</b>     |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
|--|--|---|-------|-------------------------|---|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---------------------------------|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 5.6mi SE of Laurel Hill<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 30.933325, -86.372564<br><u>Land owner:</u> Jody Jones-US, Jerry & Kimberly Mulcahy-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 5N-21-17/18<br><u>Parcel No.:</u> 1.0021, 3.002<br><u>Road Name:</u> Frost Ln | <u>State:</u> Florida                     |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS                                   |   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
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text-align: right;"><b>SRI Total</b></td><td style="padding: 2px; text-align: right;"><b>Medium Risk</b></td><td style="padding: 2px; text-align: right;"><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 15,31,32<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor  | Ranking                                   | Score | <i>US Channel Morph</i> | D | 1 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>DS | <table border="1" style="width: 100%; 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| Risk Factor  | Ranking  | Score                                     |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | D  | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | DA   | 3   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH   | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System   | 5   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>                                 |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field                         |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| 303(d)   | No   | N/A                                       |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A                                       |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled   | Yes  | SPECKLED CHUB, IRONCOLOR SHINER           |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes  | PARCELS WITH NO VALUES/ IMPROVED PASTURES |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A                                       |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A                                       |       |                         |   |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |   |                   |    |     |               |    |     |

Notes: DS outfall drop

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| Unnamed tributary  | co-0731-r-007  | <i>Sedimentation Risk Index</i><br><b>44</b>                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
|--|--|--|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--|-----------|---|--|
| <u>Common:</u> 3.6mi NW of Florala<br><u>Drainage:</u> Horsehead Creek <u>GPS:</u> 30.993519, -86.484894<br><u>Land owner:</u> Rayonier Forest Resources LP  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-17E-30<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Union Church Rd  | <u>State:</u> Alabama  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
|   |  |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <b>Crossing Structure: US</b>  |  | <b>DS</b>  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td style="text-align: center;">C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td style="text-align: center;">C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td style="text-align: center;">HIGH</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td style="text-align: center;">&lt;5°</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td style="text-align: center;">Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td style="text-align: center;">No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td style="text-align: center;">All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td style="text-align: center;">&gt;40 y³</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td style="text-align: center;">2.1-4%</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td style="text-align: center;">&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td style="text-align: center;">Improved Outlet System</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td style="text-align: center;">Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td> <td></td> <td style="text-align: right;"><b>44</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> |  | <b>44</b> |  |  |
| Risk Factor  | Ranking  | Score  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>US Channel Morph</i>  | C  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>DS Channel Morph</i>  | C  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <b>SRI Total</b>   |  | <b>44</b>  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> CdB,CdC,DmB,MBA<br/> <u>Rt Approach Prism Fill:</u> 2.0in<br/> <u>Lt Approach Prism Fill:</u> 3.0in       </p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td style="text-align: center;">No</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Wetland Species</td> <td style="text-align: center;">No</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td style="text-align: center;">No</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">N/A/<br/>PASTURE/HAY</td> </tr> <tr> <td>Candidate Mussels</td> <td style="text-align: center;">No</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td style="text-align: center;">No</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>PASTURE/HAY            | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Feature  | Within Range   | Descriptive Field  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| 303(d)   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Wetland Species  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Rare and Imperiled   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Land Use/ Cover  | Yes  | N/A/<br>PASTURE/HAY  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Candidate Mussels  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |
| Sturgeon C.H.  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |  |           |   |  |

Notes: None.

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## Unnamed tributary

ok-0528-r-001

Sedimentation Risk Index  
**44**

Common: 2.8mi NE of Laurel Hill  
Drainage: Horsehead Creek GPS: 30.987811, -86.419311  
Land owner: S.A. & S.S. Johnson Living Trust

County: Okaloosa  
PLSS(T-R-S): 6N-22-26  
Parcel No.: 7  
Road Name: Ludlam Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                        | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                        | 1         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                        | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                        | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Improved Drainage System         | 5         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 39,40,41,42,44,43,46,49  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field                   |
|--------------------|--------------|-------------------------------------|
| 303(d)             | No           | N/A                                 |
| Wetland Species    | No           | N/A                                 |
| Rare and Imperiled | No           | N/A                                 |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>FRESHWATER MARSHES |
| Candidate Mussels  | No           | N/A                                 |
| Sturgeon C.H.      | No           | N/A                                 |

Notes: None

# Horsehead Creek

ok-0528-r-004

Sedimentation Risk Index  
**44**

Common: 2.9mi SE of Laurel Hill  
Drainage: Pond Creek  
Land owner: Robert Babcock

GPS: 30.927819, -86.436811

County: Okaloosa  
PLSS(T-R-S): 5N-22-15  
Parcel No.: 9  
Road Name: Millside Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Concrete                         | 0         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Concrete                         | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 4,13,16,23,36,40,41,45,44,45,46,49,50  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | AGRICULTURAL/WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Appears to be sediment loading from US? Source unknown

## Green Branch

ok-0528-r-005

Sedimentation Risk Index  
**44**

Common: 1.5mi S of Laurel Hill  
Drainage: Horsehead Creek GPS: 30.944075, -86.455881  
Land owner: Millicent Noel- US, Helen & Shelley Reeves-DS

County: Okaloosa  
PLSS(T-R-S): 5N-22-08/9  
Parcel No.: 3, 7  
Road Name: Buck Tyner Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | >30°                               | 1         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y <sup>3</sup>               | 3         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                            | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Metal  
Soil Types: 23,35,36,43,44,47,49,52  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A / WETLAND FORESTED MIX        |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Culverts placed at a bad angle to flow.

## Hogpen Branch

ok-0528-r-007

Sedimentation Risk Index  
**44**

Common: 3.9mi S of Laurel Hill  
Drainage: Juniper Creek GPS: 30.909953, -86.471256  
Land owner: Mack Tyner Jr Trustee- US, T.R. Miller Mill Co- DS

County: Okaloosa  
PLSS(T-R-S): 5N-22-20/22  
Parcel No.: 5,1  
Road Name: E. Plympton Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Synthetic                          | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 12,16,36,37,39,40,42,43  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field     |
|--------------------|--------------|-----------------------|
| 303(d)             | No           | N/A                   |
| Wetland Species    | No           | N/A                   |
| Rare and Imperiled | Yes          | SPECKLED CHUB         |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ CYPRESS |
| Candidate Mussels  | No           | N/A                   |
| Sturgeon C.H.      | No           | N/A                   |

Notes: None

# Pond Creek

ok-0710-r-003

Sedimentation Risk Index  
**44**

Common: 9.9mi NE of Crestview  
Drainage: Shoal River  
Land owner: Odessa Jackson

GPS: 30.834014, -86.428345

County: Okaloosa  
PLSS(T-R-S): 4N-22-22  
Parcel No.: 1  
Road Name: Lake Ella Rd

State: Florida



Crossing Structure- Rt Approach



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Blocked                          | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 34,36,43,50  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                      |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                    |
| Wetland Species    | No           | N/A                                    |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER        |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND HARDWOOD FORESTS |
| Candidate Mussels  | No           | N/A                                    |
| Sturgeon C.H.      | No           | N/A                                    |

Notes: Bridge blew out in March 2009 rainstorm; has not been repaired. 0.1 mi DS from Juniper Creek

# Spring Branch

ok-0710-r-004

Sedimentation Risk Index  
**44**

Common: 10.4mi NE of Crestview  
Drainage: Pond Creek  
Land owner: Schweizer Family Inc

GPS: 30.841094, -86.423568

County: Okaloosa  
PLSS(T-R-S): 4N-22-22  
Parcel No.: 9  
Road Name: Lake Ella Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |



| Feature            | Within Range | Descriptive Field                            |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER              |
| Land Use/ Cover    | Yes          | VACANT RESIDENTIAL/HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: 12,36,43,49,50  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.25in

Notes: Lots of sediment loading. Outfall drop blocking fish passage

| Unnamed tributary   | wa-0625-r-001  | <i>Sedimentation Risk Index</i><br><b>44</b>           |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
|---|--|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---------------------------------|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 2.4mi SW of Florala<br><u>Drainage:</u> Pond Creek <u>GPS:</u> 30.983133, -86.359481<br><u>Land owner:</u> Thomas Kilpatrick-US, Walton Properties LLP-DS  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 6N-21-29/32<br><u>Parcel No.:</u> 5; 4.003<br><u>Road Name:</u> Varnum Rd | <u>State:</u> Florida                                  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>DS                               |  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td>1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>0.21-0.40</td> <td>3</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>44</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> 13,14,15,22,23,60,61<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> | <br>DS | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>VACANT RESIDENTIAL, AGRICULTURAL/ WETLAND FORESTED MIX</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | VACANT RESIDENTIAL, AGRICULTURAL/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | PONDED   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | C  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No   | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | No   | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | Yes  | SPECKLED CHUB, IRONCOLOR SHINER                        |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | VACANT RESIDENTIAL, AGRICULTURAL/ WETLAND FORESTED MIX |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |                                 |                 |     |  |                   |    |     |               |    |     |

Notes: Fencing across DS channel causing sediment buildup

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# Pond Creek

wa-0625-r-005a

Sedimentation Risk Index  
**44**

Common: 1.7mi SW of Florala  
Drainage: Shoal River GPS: 30.987175, -86.348881  
Land owner: Neal Hart- US, Thalon & Peggy Hobbs-DS

County: Walton  
PLSS(T-R-S): 6N-21-28  
Parcel No.: 18; 18.002  
Road Name: Double Bridge Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 15,31,32  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.05in



| Feature            | Within Range | Descriptive Field                       |
|--------------------|--------------|---|
| 303(d)             | No           | N/A                                     |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS       |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER         |
| Land Use/Cover     | Yes          | VACANT RESIDENTIAL/WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                     |
| Sturgeon C.H.      | No           | N/A                                     |

Notes: Two bridges crossing this same system.

# Little Creek

wa-0626-r-002

Sedimentation Risk Index  
**44**

Common: 6.8mi SE of Florala  
Drainage: Long Creek GPS: 30.911752, -86.287466  
Land owner: Ronald & Joan Earley-US, Mary Prater McLean-DS

County: Walton  
PLSS(T-R-S): 5N-20-19/30  
Parcel No.: 6.001, 5  
Road Name: Campground Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 6,29,40,60  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field        |
|--------------------|--------------|--------------------------|
| 303(d)             | Yes          | COLIFORMS                |
| Wetland Species    | No           | N/A                      |
| Rare and Imperiled | No           | N/A                      |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ HAY FIELDS |
| Candidate Mussels  | No           | N/A                      |
| Sturgeon C.H.      | No           | N/A                      |

Notes: Dry at time of survey. 2 culverts of different diameter

| Unnamed tributary   | co-0731-r-009  | Sedimentation Risk Index<br><b>46</b>  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|---|--|--|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|---------------|----|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 4.1mi NW of Florala<br><u>Drainage:</u> Horsehead Creek <u>GPS:</u> 31.039039, -86.382572<br><u>Land owner:</u> Rayonier Forest Resources LP   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-17E-19<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Chance Rd  | <u>State:</u> Alabama  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|    |    |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: DS  | US   |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
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| Risk Factor   | Ranking  | Score  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | E  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | E  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Native Soil  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>46</b>  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> CdC,DmB,MBA,OrB<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/ EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND- LOBLOLLY MODIFIER</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/ EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND- LOBLOLLY MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Feature   | Within Range   | Descriptive Field  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| 303(d)  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Wetland Species   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Rare and Imperiled  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Land Use/ Cover   | Yes  | N/A/ EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND- LOBLOLLY MODIFIER |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Candidate Mussels   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Sturgeon C.H.   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |

Notes: Rip rap in stream bed.

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# Horsehead Creek

co-0731-r-012

Sedimentation Risk Index  
**46**

Common: 4.7mi SW of Florala  
Drainage: Pond Creek GPS: 30.995696, -86.406183  
Land owner: Rayonier Forest Resources LP

County: Covington State: Alabama  
PLSS (T-R-S): 6N-22W-26  
Parcel No.: 1  
Road Name: Davis Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Synthetic                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoC,DmB,EuA,FuB,MBA,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None

| Unnamed tributary   |                                   | wa-0625-r-004  |  | Sedimentation Risk Index<br><b>46</b> |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|---|-----------------------------------|--|--|---------------------------------------|-------------|--------------|-------------------|--------|----|-------------------------|-----------------|----|-----|--------------------|-------------------------|---------------------------------|-----------------|-----|----------------------|---------------------------|---------------|-----|---------------|----|----------------------------|-----|---|--|--|--------------------------------|--------------|---|--|--|-------------------------------|----------------------|---|--|--|-------------------------------|---------------|---|--|--|-------------------------------------|----------|---|--|--|----------------------------|-----|---|--|--|----------------------|-------|---|--|--|---------------------------|-----------|---|--|--|---------------------------|-----------|---|--|--|--------------------------|-----------|---|--|--|--------------------------|-----------|---|--|--|-----------------------------|-----------|---|--|--|-----------------------------|-----------|---|--|--|----------------------------|-----------|---|--|--|----------------------------|-----------|---|--|--|---------------------|------------------------|---|--|--|----------------------|----------------------------|---|--|--|------------------|-----------------|-----------|--|--|
| <u>Common:</u> 4.2mi NE of Laurel Hill  |                                   | <u>County:</u> Walton  |  | <u>State:</u> Florida                 |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <u>Drainage:</u> Flemming Creek   | <u>GPS:</u> 30.973206, -86.388775 | <u>PLSS (T-R-S):</u> 6N-22-36; 6N-21-31  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <u>Land owner:</u> Ellen Gordon-US, Clarke Williams-DS  |                                   | <u>Parcel No.:</u> 4; 10   |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|   |                                   | <u>Road Name:</u> County Line Rd   |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|    |                                   |    |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Crossing Structure: DS  |                                   | DS   |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th colspan="2"></th></tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>WETLAND</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5o</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>21-40 y3</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td><td colspan="2"></td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td><td colspan="2" rowspan="2"></td></tr> </tbody> </table> |                                   |  |  |                                       | Risk Factor | Ranking      | Score             |        |    | <i>US Channel Morph</i> | WETLAND         | 5  |     |                    | <i>DS Channel Morph</i> | C                               | 5               |     |                      | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3   |               |    | <i>Upstream Skew Angle</i> | <5o | 5 |  |  | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 |  |  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 |  |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  |  | <i>Potential Eroded Volume Mean</i> | 21-40 y3 | 3 |  |  | <i>Approach Slope Mean</i> | <2% | 5 |  |  | <i>Soil K Factor</i> | <0.20 | 5 |  |  | <i>Upstream Rt Outlet</i> | Vegetated | 1 |  |  | <i>Upstream Lt Outlet</i> | Vegetated | 1 |  |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  |  | <i>Downstream Rt Outlet</i> | Vegetated | 1 |  |  | <i>Downstream Lt Outlet</i> | Vegetated | 1 |  |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  |  | <i>Outlet Total</i> | Improved Outlet System | 5 |  |  | <i>Ditches Total</i> | Unimproved Drainage System | 1 |  |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |  |
| Risk Factor   | Ranking                           | Score  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>US Channel Morph</i>   | WETLAND                           | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>DS Channel Morph</i>   | C                                 | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                     | 3  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Skew Angle</i>  | <5o                               | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap                      | 3  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring              | 3  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Road Approach Material</i>   | All Sand/Clay                     | 3  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y3                          | 3  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Approach Slope Mean</i>  | <2%                               | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Soil K Factor</i>  | <0.20                             | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Rt Outlet</i>   | Vegetated                         | 1  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Lt Outlet</i>   | Vegetated                         | 1  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                         | 0  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                         | 0  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Rt Outlet</i>   | Vegetated                         | 1  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Lt Outlet</i>   | Vegetated                         | 1  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                         | 0  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                         | 0  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Outlet Total</i>   | Improved Outlet System            | 5  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Ditches Total</i>  | Unimproved Drainage System        | 1  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <b>SRI Total</b>  | <b>Low Risk</b>                   | <b>46</b>  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Culvert, 3</p> <p><u>Crossing Materials:</u> Metal</p> <p><u>Soil Types:</u> 3,11,15,31,32</p> <p><u>Rt Approach Prism Fill:</u> 0.75in</p> <p><u>Lt Approach Prism Fill:</u> 1.0in</p>   |                                   | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>Yes</td><td>SPECKLED CHUB, IRONCOLOR SHINER</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>RESIDENTIAL/ CYPRESS</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |  |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No | N/A                     | Wetland Species | No | N/A | Rare and Imperiled | Yes                     | SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | RESIDENTIAL/ CYPRESS | Candidate Mussels         | No            | N/A | Sturgeon C.H. | No | N/A                        |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Feature   | Within Range                      | Descriptive Field  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| 303(d)  | No                                | N/A  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Wetland Species   | No                                | N/A  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Rare and Imperiled  | Yes                               | SPECKLED CHUB, IRONCOLOR SHINER  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Land Use/ Cover   | Yes                               | RESIDENTIAL/ CYPRESS   |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Candidate Mussels   | No                                | N/A  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Sturgeon C.H.   | No                                | N/A  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |                      |                           |               |     |               |    |                            |     |   |  |  |                                |              |   |  |  |                               |                      |   |  |  |                               |               |   |  |  |                                     |          |   |  |  |                            |     |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                        |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |

Notes: None

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| Unnamed tributary  | wa-0626-r-006  | Sedimentation Risk Index<br><b>46</b>                    |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|--|--|--|---|-------------------------|---|---|-------------------------|--------|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 5.1mi SE of Florala<br><u>Drainage:</u> Long Creek <u>GPS:</u> 30.941142, -86.284550<br><u>Land owner:</u> Carla Bent-US, Adrian Geoghan-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 5N-20-07/18<br><u>Parcel No.:</u> 2.5, 4<br><u>Road Name:</u> Jackson Rd      | <u>State:</u> Florida                                    |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|   |    |  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: DS   | DS   |  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>PONDED</td> <td>1</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>46</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | PONDED | 1 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | C  | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | PONDED   | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Vegetated  | 1  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>46</b>  |   |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 13,20,60<br/> <u>Rt Approach Prism Fill:</u> 0.2in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>AGRICULTURAL/HYDRIC PINE FLATWOODS<br>N/A<br>N/A |                         |   |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |

Notes: Lt approach partially paved. Sanded over.

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# Big Branch

wa-0722-r-001

Sedimentation Risk Index  
**46**

Common: 6.3mi NE of Mossy Head  
Drainage: Little Creek  
Land owner: Unknown

GPS: 30.830729, -86.297392

County: Walton  
PLSS(T-R-S): Unknown  
Parcel No.: Unknown  
Road Name: Foxhill Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 2,3,13,15,17,18,31,32  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.3in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | Yes          | COLIFORMS  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL,PARCELS WITH NO VALUES/WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

| Unnamed tributary  | ok-0528-r-003  | Sedimentation Risk Index<br><b>48</b>                    |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
|--|--|--|---|-------------------------|------------|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 3.4mi NE of Laurel Hill<br><u>Drainage:</u> Horsehead Creek <u>GPS:</u> 30.982058, -86.405300<br><u>Land owner:</u> Helen & Robert Pagnini- US, Catherine & Cory Harned-US  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 6N-22-25<br><u>Parcel No.:</u> 1.002, 5<br><u>Road Name:</u> Robinson Rd    | <u>State:</u> Florida                                    |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
|   |    |  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Crossing Structure: DS   | US   |  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>BEAVER DAM</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>21-40 y³</td> <td>3</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Improved Drainage System</td> <td>5</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>48</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | BEAVER DAM | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor  | Ranking  | Score  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | BEAVER DAM   | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | DA   | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³   | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Vegetated  | 1  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Improved Outlet System   | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Improved Drainage System   | 5  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>48</b>  |   |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Wood<br><u>Soil Types:</u> 13,36,37,39,40,41,42,43,49,52,55,56<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.5in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A / FRESHWATER MARSHES<br>N/A<br>N/A |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |

Notes: Outfall drop over beaver dam.

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# Pond Creek

wa-0625-r-005b

Sedimentation Risk Index  
**48**

Common: 1.7mi SW of Florala  
Drainage: Shoal River      GPS: 30.987514, -86.349492  
Land owner: Neat Hart-US, Thalon & Peggy Hobbs- DS

County: Walton  
PLSS(T-R-S): 6N-21-28  
Parcel No.: 18; 18.002  
Road Name: Double Bridge Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS        |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER          |
| Land Use/ Cover    | Yes          | VACANT RESIDENTIAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 15,31,32  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.05in

Notes: Public access DS?

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| Pond Creek  |                                  | ok-0710-r-002                          |  | Sedimentation Risk Index<br><b>50</b> |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|---|----------------------------------|--|--|---------------------------------------|-------------|--------------|-------------------|--------|----|-------------------------|-----------------|----|-----|--------------------|-------------------------|---------------------------------|-----------------|-----|--|---------------------------|---------|-----|---------------|----|----------------------------|-----|---|--|--|--------------------------------|----------------|---|--|--|-------------------------------|---------------|---|--|--|-------------------------------|---------------|---|--|--|-------------------------------------|--------|---|--|--|----------------------------|--------|---|--|--|----------------------|-------|---|--|--|---------------------------|-----------|---|--|--|---------------------------|-----------|---|--|--|--------------------------|-----------|---|--|--|--------------------------|-----------|---|--|--|-----------------------------|-----------|---|--|--|-----------------------------|-----------|---|--|--|----------------------------|-----------|---|--|--|----------------------------|-----------|---|--|--|---------------------|----------------------------------|---|--|--|----------------------|----------------------------|---|--|--|------------------|-----------------|-----------|--|--|
| <u>Common:</u> 6.1mi NW of Mossy Head   | <u>Drainage:</u> Shoal River     | <u>GPS:</u> 30.793986, -86.399002      | <u>County:</u> Okaloosa  | <u>State:</u> Florida                 |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <u>Land owner:</u> Rick & Susan Goff  |                                  |  | <u>PLSS(T-R-S):</u> 4N-22-36   |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|   |                                  |  | <u>Parcel No.:</u> 3.001   |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|   |                                  |  | <u>Road Name:</u> Pond Creek Rd  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
|    |                                  |  |    |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Crossing Structure: DS  |                                  |  | US   |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th colspan="2"></th></tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>C</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td colspan="2"></td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td><td colspan="2"></td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td><td colspan="2"></td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>50</b></td><td colspan="2"></td></tr> </tbody> </table> |                                  |  |  |                                       | Risk Factor | Ranking      | Score             |        |    | <i>US Channel Morph</i> | C               | 5  |     |                    | <i>DS Channel Morph</i> | C                               | 5               |     |  | <i>DS Bank Alteration</i> | NATURAL | 5   |               |    | <i>Upstream Skew Angle</i> | <5° | 5 |  |  | <i>Crossing fill condition</i> | Good/Vegetated | 5 |  |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  |  | <i>Approach Slope Mean</i> | 2.1-4% | 3 |  |  | <i>Soil K Factor</i> | <0.20 | 5 |  |  | <i>Upstream Rt Outlet</i> | Bare soil | 0 |  |  | <i>Upstream Lt Outlet</i> | Vegetated | 1 |  |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  |  | <i>Downstream Rt Outlet</i> | Vegetated | 1 |  |  | <i>Downstream Lt Outlet</i> | Vegetated | 1 |  |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  |  | <i>Outlet Total</i> | Partially Improved Outlet System | 3 |  |  | <i>Ditches Total</i> | Unimproved Drainage System | 1 |  |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>50</b> |  |  |
| Risk Factor   | Ranking                          | Score                                  |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>US Channel Morph</i>   | C                                | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>DS Channel Morph</i>   | C                                | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>DS Bank Alteration</i>   | NATURAL                          | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Skew Angle</i>  | <5°                              | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Crossing fill condition</i>  | Good/Vegetated                   | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                    | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Road Approach Material</i>   | All Sand/Clay                    | 3                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                           | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Approach Slope Mean</i>  | 2.1-4%                           | 3                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Soil K Factor</i>  | <0.20                            | 5                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Rt Outlet</i>   | Bare soil                        | 0                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Lt Outlet</i>   | Vegetated                        | 1                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                        | 0                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                        | 0                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Rt Outlet</i>   | Vegetated                        | 1                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Lt Outlet</i>   | Vegetated                        | 1                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                        | 0                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                        | 0                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System | 3                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <i>Ditches Total</i>  | Unimproved Drainage System       | 1                                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <b>SRI Total</b>  | <b>Low Risk</b>                  | <b>50</b>                              |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Bridge, 1</p> <p><u>Crossing Materials:</u> Wood</p> <p><u>Soil Types:</u> 23, 43, 50, 51</p> <p><u>Rt Approach Prism Fill:</u> 0.25in</p> <p><u>Lt Approach Prism Fill:</u> 0.15in</p>   |                                  |  | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>Yes</td><td>SPECKLED CHUB, IRONCOLOR SHINER</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>AGRICULTURAL/ WETLAND HARDWOOD FORESTS</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No | N/A                     | Wetland Species | No | N/A | Rare and Imperiled | Yes                     | SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | AGRICULTURAL/ WETLAND HARDWOOD FORESTS | Candidate Mussels         | No      | N/A | Sturgeon C.H. | No | N/A                        |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Feature   | Within Range                     | Descriptive Field                      |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| 303(d)  | No                               | N/A                                    |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Wetland Species   | No                               | N/A                                    |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Rare and Imperiled  | Yes                              | SPECKLED CHUB, IRONCOLOR SHINER        |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Land Use/ Cover   | Yes                              | AGRICULTURAL/ WETLAND HARDWOOD FORESTS |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Candidate Mussels   | No                               | N/A                                    |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |
| Sturgeon C.H.   | No                               | N/A                                    |  |                                       |             |              |                   |        |    |                         |                 |    |     |                    |                         |                                 |                 |     |  |                           |         |     |               |    |                            |     |   |  |  |                                |                |   |  |  |                               |               |   |  |  |                               |               |   |  |  |                                     |        |   |  |  |                            |        |   |  |  |                      |       |   |  |  |                           |           |   |  |  |                           |           |   |  |  |                          |           |   |  |  |                          |           |   |  |  |                             |           |   |  |  |                             |           |   |  |  |                            |           |   |  |  |                            |           |   |  |  |                     |                                  |   |  |  |                      |                            |   |  |  |                  |                 |           |  |  |

Notes: Small foot path DS Lt floodplain.

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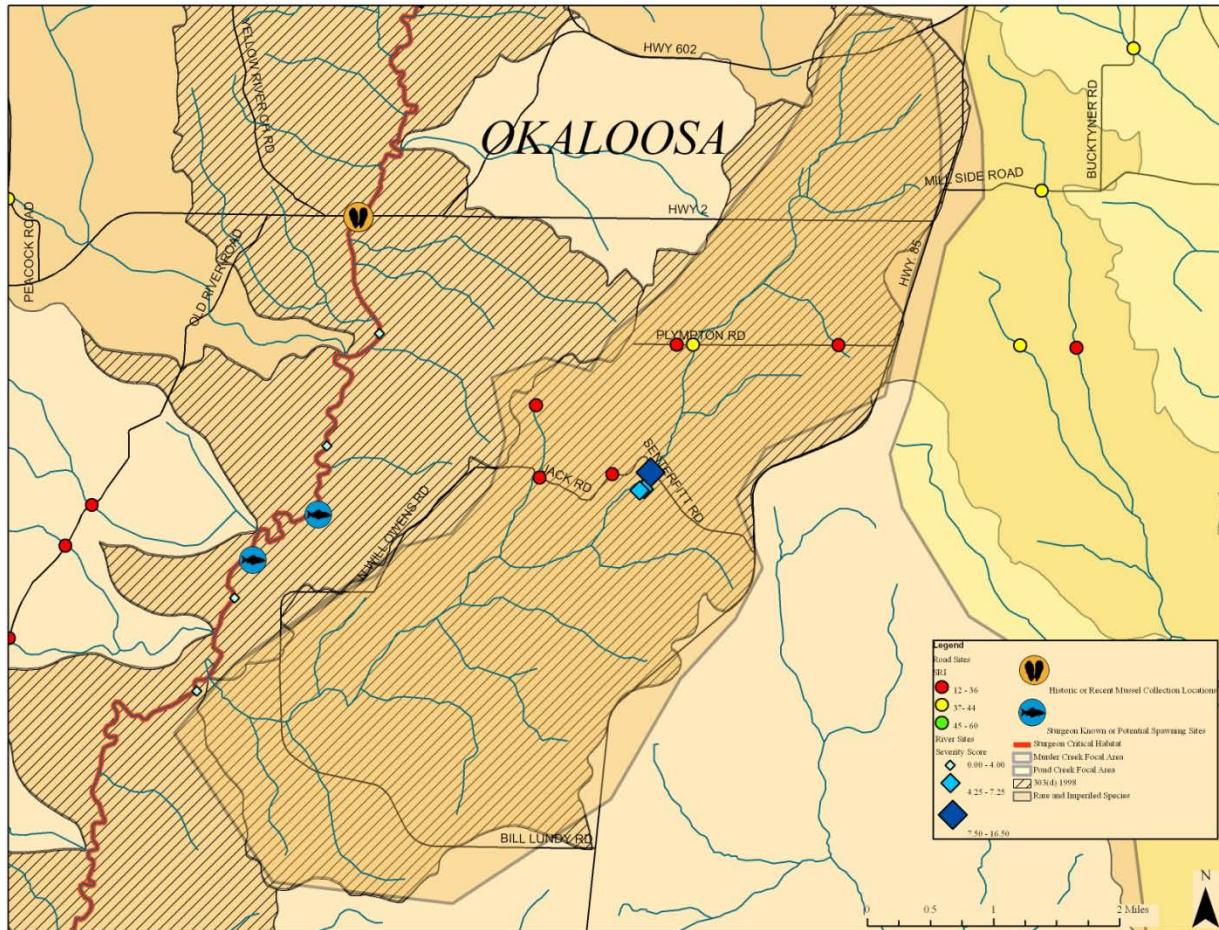


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Appendix G. Murder Creek Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Murder Creek  | ok-1105-001  | Severity Score<br><b>12.5</b>         |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
|---|--|---------------------------------------|-------|--------------------------|------|---|---------------------------|-------------|---|---------------------|--------|-----|-------------|------|---|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|---------|-----|--------------------|-------------|---|-----------------------------|---------|-----|----------------------------|--------|------|----------------------------|---------|------|------------------------------|------|------|------------------------------|------|------|----------------------------|--|-------------|--|---------|--------------|-------------------|---------------|-----|-----------------------------|------------------------|----|-----|---------------------------|-----|-------------------------------------|------------------------|-----|---------------------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|--|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 9.7mi NW of Crestview, .02mi DS of Sentifitt Rd<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.895347188, -86.520805744<br><u>Land owner:</u> Brandon Watson- DS, Richard Moulton- US   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-23W-35/26<br><u>Parcel No.:</u> 1.1004; 8.00 | <u>State:</u> Florida                 |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <br>US   |              |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Active</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Moderate Potential</td> <td>1</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0.75</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>12.5</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking                               | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Active | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Present | 1.5 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Present | 1.5 | <i>RB: Riparian Buffer</i> | 100+ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0.75 | <i>LB: Floodplain Access</i> | None | 0.25 | <b>River Threat Index:</b> |  | <b>12.5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>COLIFORMS, DISSOLVED OXYGEN</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>BLACKTIP SHINER<br/>IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>AGRICULTURAL/<br/>WETLAND FORESTED MIX</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> Manmade (Fence and Rip Rap)</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, DISSOLVED OXYGEN | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | Yes | BLACKTIP SHINER<br>IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | AGRICULTURAL/<br>WETLAND FORESTED MIX | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> Manmade (Fence and Rip Rap) |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand and Clay |  |  |  |
| Risk Factor   | Ranking  | Score                                 |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1                                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Alteration</i>   | In Recovery  | 1                                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1.5                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>BEHI</i>   | High   | 1                                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Local NPSP</i>   | Moderate Potential   | 1                                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Shoring Structures</i>   | Present  | 1.5                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Pipe Discharge</i>   | Present  | 1.5                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0                                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Fish Passage Barrier</i>   | Present  | 1.5                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ft   | 0.75                                  |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75                                  |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0.75                                  |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Floodplain Access</i>  | None   | 0.25                                  |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>  |  | <b>12.5</b>                           |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| Feature   | Within Range   | Descriptive Field                     |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>303(d)</b>   | Yes  | COLIFORMS, DISSOLVED OXYGEN           |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Wetland Species</b>  | No   | N/A                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | BLACKTIP SHINER<br>IRONCOLOR SHINER   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | AGRICULTURAL/<br>WETLAND FORESTED MIX |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A                                   |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>   |  |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> Manmade (Fence and Rip Rap)  |  |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |                                       |       |                          |      |   |                           |             |   |                     |        |     |             |      |   |                   |                    |   |                           |         |     |                       |         |     |                    |             |   |                             |         |     |                            |        |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                     |                        |     |                                       |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                                     |  |  |  |

Notes: Numerous amounts of rip rap in stream is causing a partial fish passage barrier, as well as a fence that the US property owner has installed upstream from the bridge. Downstream is highly entrenched and its banks are mass wasting. Banks are primarily composed of clay. View other appendices on Murder Creek for more downstream details.

| Murder Creek  | ok-1105-002   | Severity Score<br>6.5  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
|---|---|--|---------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|---------------|-----|-------------|--------------------|-----|-------------------|------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|---------|------|------------------------------|------|------|----------------------------|--|------------|--|---------|--------------|-------------------|---------------|-----|-----------------------------|------------------------|----|-----|---------------------------|-----|-----------------------------------|------------------------|-----|-------------------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|---|--|--|--|--|--|---|--|--|----------------------------|--|--|
| <u>Common:</u> 6mi SW of Laurel Hill, 0.16mi DS of Senterfitt Rd<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.893549221, -86.521587955<br><u>Land owner:</u> Brandon Watson  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-23W-35<br><u>Parcel No.:</u> 1.1004 | <u>State:</u> Florida  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
|  <b>LB</b>   |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Poor</td> <td>1.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Mass- Wasting</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Extreme- Very High</td> <td>1.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.25</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>6.5</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass- Wasting | 1.5 | <i>BEHI</i> | Extreme- Very High | 1.5 | <i>Local NPSP</i> | None | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.25 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> |  | <b>6.5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>COLIFORMS, DISSOLVED OXYGEN</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>BLACKTIP SHINER, IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Extensive</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> Woody Material Jams</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, DISSOLVED OXYGEN | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Extensive |  |  | <i>Impoundments:</i> Woody Material Jams |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Clay |  |  |
| Risk Factor   | Ranking   | Score  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Channel Stability</i>  | Poor  | 1.5  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Channel Alteration</i>   | None  | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Bank Erosion</i>   | Mass- Wasting   | 1.5  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>BEHI</i>   | Extreme- Very High  | 1.5  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Local NPSP</i>   | None  | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Shoring Structures</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Pipe Discharge</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Water Odors</i>  | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft   | 0.25   |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>RB: Floodplain Access</i>  | Partial   | 0.25   |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>LB: Floodplain Access</i>  | None  | 0.75   |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>River Threat Index:</b>  |   | <b>6.5</b>   |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| Feature   | Within Range  | Descriptive Field  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>303(d)</b>   | Yes   | COLIFORMS, DISSOLVED OXYGEN  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Wetland Species</b>  | No  | N/A  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Rare and Imperiled</b>   | Yes   | BLACKTIP SHINER, IRONCOLOR SHINER  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Land Use/ Cover</b>  | Yes   | AGRICULTURAL/ STREAMS AND WATERWAYS  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Candidate Mussels</b>  | No  | N/A  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Sturgeon C.H.</b>  | No  | N/A  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <b>Additional Site Features</b>   |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Stream Channel Woody Material:</i> Extensive   |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Impoundments:</i> Woody Material Jams  |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Substrate Composition:</i> Medium Sand   |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |
| <i>Bank Material:</i> Clay  |   |  |         |       |                          |      |     |                           |      |   |                     |               |     |             |                    |     |                   |      |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |      |      |                            |  |            |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |                                 |  |  |   |  |  |  |  |  |   |  |  |                            |  |  |

Notes: Shallow channel, high sediment loads. Affected by silviculture? Murder creek contains the highest banks in the entire watershed.

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| Murder Creek  | ok-1105-003  | Severity Score<br>4.75              |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
|---|--|-------------------------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|----------|------|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|------|----------------------------|--|-------------|--|---------|--------------|-------------------|---------------|-----|-----------------------------|------------------------|----|-----|---------------------------|-----|-----------------------------------|------------------------|-----|-------------------------------------|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 6.2mi SW of Laurel Hill, 0.2 miles DS from Senterfitt Rd.<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.893281952, -86.522234328<br><u>Land owner:</u> Lisa Jenkins  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-23W-35<br><u>Parcel No.:</u> 1   | <u>State:</u> Florida               |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
|    |  |                                     |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>LB</b>   |  |                                     |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Active</td> <td>1</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>50-99 ft</td> <td>0.25</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>4.75</b></td></tr> </tbody> </table> | Risk Factor  | Ranking                             | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> |  | <b>4.75</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>COLIFORMS, DISSOLVED OXYGEN</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>BLACKTIP SHINER, IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Infrequent<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Clay     </p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, DISSOLVED OXYGEN | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A |  |
| Risk Factor   | Ranking  | Score                               |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>  | Fair   | 1                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>   | None   | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>   | Active   | 1                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>BEHI</i>   | High   | 1                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>  | Not Present  | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>  | 50-99 ft   | 0.25                                |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75                                |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>  | None   | 0.75                                |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>  |  | <b>4.75</b>                         |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| Feature   | Within Range   | Descriptive Field                   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>303(d)</b>   | Yes  | COLIFORMS, DISSOLVED OXYGEN         |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>  | No   | N/A                                 |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>   | Yes  | BLACKTIP SHINER, IRONCOLOR SHINER   |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>  | Yes  | AGRICULTURAL/ STREAMS AND WATERWAYS |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>  | No   | N/A                                 |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>  | No   | N/A                                 |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |         |      |                              |      |   |                              |      |      |                            |  |             |  |         |              |                   |               |     |                             |                        |    |     |                           |     |                                   |                        |     |                                     |                          |    |     |                      |    |     |  |

Notes: Characteristic of the banks along the reach 0.5mi below Senterfitt Rd crossing. High sediment loads within stream.

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## Unnamed tributary

ok-0429-r-014

Sedimentation Risk Index  
**22**

Common: 5.1mi SW of Laurel Hill  
Drainage: Murder Creek  
Land owner: Dean & Deborah Clary

GPS: 30.910200, -86.517086

County: Okaloosa  
PLSS(T-R-S): 5N-23-23  
Parcel No.: 5.001  
Road Name: W Plympton Road



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                          | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>22</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 3,23,25,34,36,37,39,40,43  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS       |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | N/A / WETLAND FORESTED MIX        |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: None

## Unnamed tributary

ok-0429-r-012

Sedimentation Risk Index  
**26**

Common: 6.2mi SW of Laurel Hill  
Drainage: Murder Creek GPS: 30.894997, -86.535436  
Land owner: Ralph & Carolyn Lunsford

County: Okaloosa  
PLSS(T-R-S): 5N-23-34  
Parcel No.: 2.002  
Road Name: Jack Rd

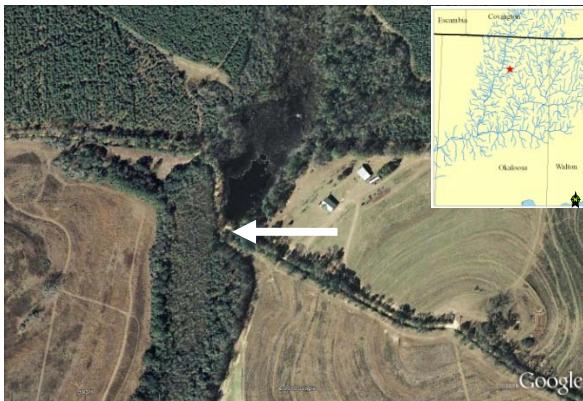
State: Florida



Crossing Structure: From Rt Approach

US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>26</b> |



#### Additional Site Features

Crossing Type and Quantity: Culvert?  
Crossing Materials: Clay  
Soil Types: 12,23,36,39,40,42,43  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.5in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS       |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ FIELD CROPS         |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Unknown crossing type- Flooded when accessed 2 different days.

## Unnamed tributary

ok-0429-r-010

Sedimentation Risk Index  
**26**

Common: 6.2mi SW of Laurel Hill  
Drainage: Murder Creek      GPS: 30.895197686, -86.525778507  
Land owner: James & Joyce Arnette-US, Rose in Bloom Inc- DS East,  
Swampland Inc-DS West

County: Okaloosa  
PLSS(T-R-S): 5N-23-34  
Parcel No.: 1.002, 1.004  
Road Name: Jack Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>26</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 23,39,41,43,52,56  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                      |
|--------------------|--------------|--|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS            |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS      |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER      |
| Land Use/ Cover    | Yes          | RESIDENTIAL/ MIXED SCRUB-SHRUB WETLAND |
| Candidate Mussels  | No           | N/A                                    |
| Sturgeon C.H.      | No           | N/A                                    |

Notes: 12ft of each culvert exposed due to road erosion. US openings covered by fencing.

# Coon Branch

ok-0429-r-016

Sedimentation Risk Index  
**30**

Common: 4.3mi SW of Laurel Hill  
Drainage: Murder Creek GPS: 30.910094, -86.495503  
Land owner: Sara & Kay Eoff-US, Elizabeth Ann Salter-DS

County: Okaloosa  
PLSS(T-R-S): 5N-23-24  
Parcel No.: 6, 4  
Road Name: W Plympton Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>30</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: PVC; Reinforced Concrete  
Soil Types: 12,13,23,36,37,41,42,43,49,56  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.5in

| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS        |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: Culvert w/outfall draining pond. High levels of sedimentation DS.

## Unnamed tributary

ok-0429-r-009

Sedimentation Risk Index  
**28**

Common: 6.2mi SW of Laurel Hill  
Drainage: Murder Creek GPS: 30.903134133, -86.535976020  
Land owner: Jesse Madden

County: Okaloosa  
PLSS(T-R-S): 5N-23-27  
Parcel No.: 5.001  
Road Name: Bill Lundy Rd/85a

State: Florida



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

#### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 36,38,39,43,46  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS       |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | N/A / WETLAND FORESTED MIX        |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Undersized culvert draining agricultural land. Loose sediment over culvert

# Murder Creek

ok-0429-r-015

Sedimentation Risk Index  
**40**

Common: 5mi SW of Laurel Hill  
Drainage: Yellow River  
Land owner: Dean & Deborah Clary

GPS: 30.910203, -86.514943

County: Okaloosa  
PLSS(T-R-S): 5N-23-23  
Parcel No.: 5.001  
Road Name: W Plympton Rd

State: Florida



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

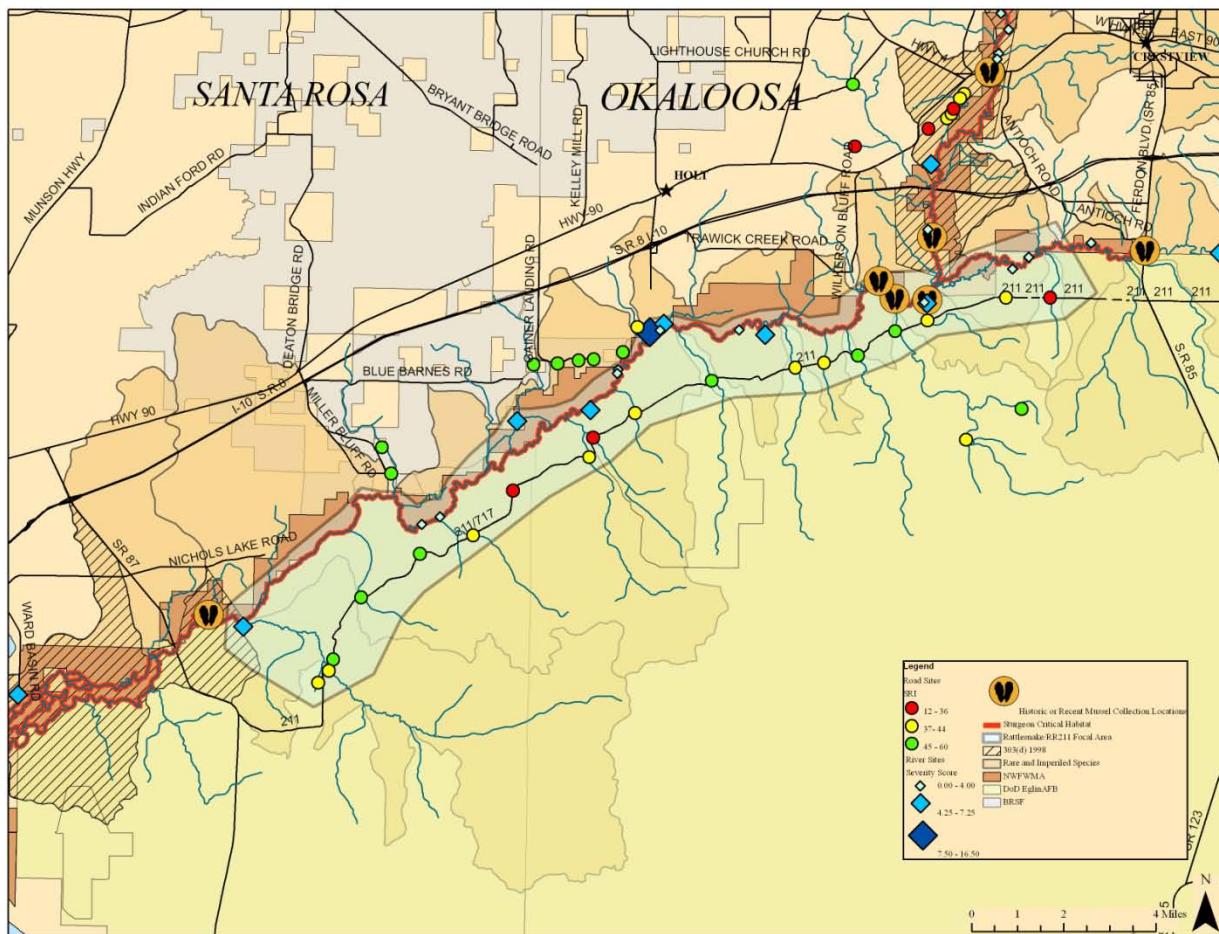
## Additional Site Features

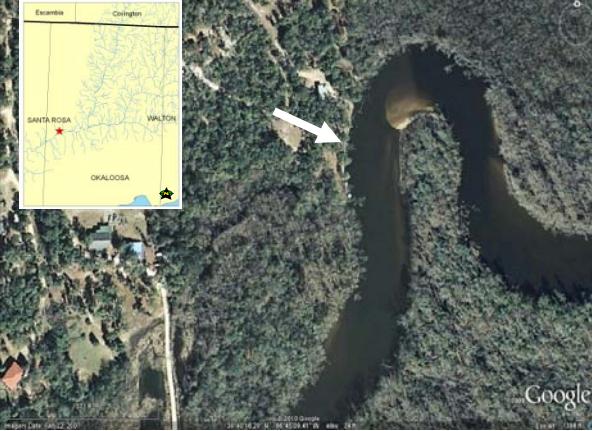
Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: 13,23,25,34,36,37,39,40,43  
Rt Approach Prism Fill: 1.5in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | Yes          | DISSOLVED OXYGEN, COLIFORMS        |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: None

Appendix H. Rattlesnake Road Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Yellow River  | ok-0225-005  | Severity Score<br><b>8</b>   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|------|---|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|---------|-----|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|------|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|----------------------------|-------------------|----|-----|---------------|-----|-----|---------------------------------------|------------|----------------------|------|-------------------------------|------|-----------------------|------|--|
| <u>Common:</u> 12.4mi SW of Crestview, .42 mi DS of Tarwick Creek<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.672143, -86.751921<br><u>Land owner:</u> RB: Roland & Sara Henson/ LB: USA  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 16-2N-2S<br><u>Parcel No.:</u> RB: 4.034a / LB: 2 | <u>State:</u> Florida  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <br>RB   | <br>Google     |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Obvious Sources</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>8</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Present | 1.5 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>8</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">ALBAMA SHAD,ALLIGATOR GAR BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB,IRONCOLOR SHINER,SPOTTED BULLHEAD,SPECKLED DARTER</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A/ STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 5px;">Additional Site Features</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><u>Stream Channel Woody Material:</u></td> <td style="width: 70%;">Infrequent</td> </tr> <tr> <td><u>Impoundments:</u></td> <td>None</td> </tr> <tr> <td><u>Substrate Composition:</u></td> <td>Sand</td> </tr> <tr> <td><u>Bank Material:</u></td> <td>Sand</td> </tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALBAMA SHAD,ALLIGATOR GAR BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB,IRONCOLOR SHINER,SPOTTED BULLHEAD,SPECKLED DARTER | Land Use/ Cover | Yes | N/A/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <u>Stream Channel Woody Material:</u> | Infrequent | <u>Impoundments:</u> | None | <u>Substrate Composition:</u> | Sand | <u>Bank Material:</u> | Sand |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Bank Erosion</i>   | Historic   | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>BEHI</i>   | High   | 1  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Local NPSP</i>   | Obvious Sources  | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Pipe Discharge</i>   | Present  | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>RB: Floodplain Access</i>  | None   | 0.75   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <b>River Threat Index:</b>  | <b>8</b>   |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| 303(d)  | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Rare and Imperiled  | Yes  | ALBAMA SHAD,ALLIGATOR GAR BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB,IRONCOLOR SHINER,SPOTTED BULLHEAD,SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Land Use/ Cover   | Yes  | N/A/ STREAMS AND WATERWAYS   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Candidate Mussels   | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| Sturgeon C.H.   | Yes  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <u>Stream Channel Woody Material:</u>   | Infrequent   |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <u>Impoundments:</u>  | None   |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <u>Substrate Composition:</u>   | Sand   |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |
| <u>Bank Material:</u>   | Sand   |  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                       |            |                      |      |                               |      |                       |      |  |

Notes: Pipe discharge coming from a small PVC pipe on right bank boat launch Approx. 100 yards of brick and concrete shoring structure present. "Easy Street" leads to house on right bank.

| <b>Yellow River</b>   | <b>ok-0225-002</b>  | <b>Severity Score<br/>6.75</b>   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
|---|---|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|---------|-----|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|------------------------------------|---------------------------|-----|--|------------------------|-----|----------------------------|--------------------------|----|-----|----------------------|-----|-----|--|
| <u>Common:</u> 12mi SW of Crestview, .05mi DS of Tarwick Creek<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.674048, -86.746883<br><u>Land owner:</u> Rivers Edge Campground  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-25W-16<br><u>Parcel No.:</u> 6.003E               | <u>State:</u> Florida  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <br><b>RB</b>  | <br><b>Google</b> |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td style="text-align: right;"><b>River Threat Index:</b></td><td style="text-align: right;"><b>6.75</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Present | 1.5 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>6.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>ALABAMA SHAD,ALLIGATOR GAR, BLUENOSE SHINER,GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD,SPECKLED DARTER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Stream Channel Woody Material:</u> Infrequent</p> <p><u>Impoundments:</u> None</p> <p><u>Substrate Composition:</u> Medium Sand, Silt</p> <p><u>Bank Material:</u> Sand</p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD,ALLIGATOR GAR, BLUENOSE SHINER,GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD,SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A |  |
| Risk Factor   | Ranking   | Score  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Channel Stability</i>  | Good  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Channel Alteration</i>   | None  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Bank Erosion</i>   | Historic  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>BEHI</i>   | Moderate  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Local NPSP</i>   | Obvious Sources   | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Shoring Structures</i>   | Present   | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Pipe Discharge</i>   | Present   | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Water Odors</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <i>LB: Floodplain Access</i>  | Full  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>River Threat Index:</b>  | <b>6.75</b>   |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| Feature   | Within Range  | Descriptive Field  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>303(d)</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>Wetland Species</b>  | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>Rare and Imperiled</b>   | Yes   | ALABAMA SHAD,ALLIGATOR GAR, BLUENOSE SHINER,GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD,SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>Land Use/ Cover</b>  | Yes   | N/A/ STREAMS AND WATERWAYS   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>Candidate Mussels</b>  | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |
| <b>Sturgeon C.H.</b>  | Yes   | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                            |                          |    |     |                      |     |     |  |

Notes: River's edge camp ground. Concrete boat launch and wooden sea-wall retaining RB. Old Log Lake Bridge site (historic, Google earth). Pipe discharge to DS.

| Pitts River   |                               | sr-0305-001  | Severity Score<br>6.25  |
|---|-------------------------------|--|---|
| <u>Common:</u> 14mi E of Milton   | <u>Drainage:</u> Yellow River | <u>GPS:</u> 30.6435, -86.800483  | <u>County:</u> Santa Rosa<br><u>PLSS(T-R-S):</u> 2N-26W-25<br><u>Parcel No.:</u> 2  |
| <u>Land owner:</u> H. A. Morris   |                               |  | <u>State:</u> Florida   |
|  |                               |  |    |
| <b>RB</b>   |                               |  | Google  |
| Risk Factor   | Ranking                       | Score  | Feature   |
| <i>Channel Stability</i>  | Fair                          | 1  | 303(d)  |
| <i>Channel Alteration</i>   | None                          | 0  | Wetland Species   |
| <i>Bank Erosion</i>   | Active                        | 1  | Rare and Imperiled  |
| <i>BEHI</i>   | Moderate                      | 0.5  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER, GULF STURGEON, ALABAMA SHAD, ALLIGATOR GAR, SPECKLED DARTER, SPOTTED BULLHEAD |
| <i>Local NPSP</i>   | Obvious Sources               | 1.5  |   |
| <i>Shoring Structures</i>   | Present                       | 1.5  | Land Use/ Cover   |
| <i>Pipe Discharge</i>   | Not Present                   | 0  | N/A   |
| <i>Water Odors</i>  | Not Present                   | 0  | STREAMS AND WATERWAYS   |
| <i>Fish Passage Barrier</i>   | Not Present                   | 0  |   |
| <i>RB: Riparian Buffer</i>  | 0-29 ft                       | 0.75   | Candidate Mussels   |
| <i>LB: Riparian Buffer</i>  | 100+ft                        | 0  | No  |
| <i>RB: Floodplain Access</i>  | Full                          | 0  | N/A   |
| <i>LB: Floodplain Access</i>  | Full                          | 0  | Sturgeon C.H.   |
| <b>River Threat Index:</b>  |                               | <b>6.25</b>  | <b>Additional Site Features</b>   |
| <i>Stream Channel Woody Material:</i>   |                               | Moderate   |   |
| <i>Impoundments:</i>  |                               | None   |   |
| <i>Substrate Composition:</i>   |                               | Medium Sand  |   |
| <i>Bank Material:</i>   |                               | Sand and Roots   |   |

Notes: Concrete shoring structure and two boat launches present. Road leading down is Garner Landing Rd

| Yellow River   | ok-0225-001  | Severity Score<br>5.75  |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
|--|--|---|--------------|-------------------|-------------------|------|-----|--------------------|------|------------------------------------|--------------------|----------|---|-----------------|------|-------------------------------|-------------------|--------------------|-----|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|
| <u>Common:</u> 14.3mi E of Milton<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.646932, -86.773719<br><u>Land owner:</u> RB: NFWFMD / LB: USA  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-25W-29<br><u>Parcel No.:</u> RB: 2/?AC / LB: 1/?AC | <u>State:</u> Florida   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
|  <p>LB</p>  |  |   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
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| Risk Factor  | Ranking  | Score   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Channel Stability  | Good   | 0.5   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Channel Alteration   | None   | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Bank Erosion   | Historic   | 1   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| BEHI   | High   | 1   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Local NPSP   | Moderate Potential   | 1   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Shoring Structures   | Present  | 1.5   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Pipe Discharge   | Not Present  | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Water Odors  | Not Present  | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Fish Passage Barrier   | Not Present  | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| RB: Riparian Buffer  | 100+ ft  | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| LB: Riparian Buffer  | 0-29 ft  | 0.75  |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| RB: Floodplain Access  | Full   | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| LB: Floodplain Access  | Full   | 0   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| <b>River Threat Index:</b>   |  | <b>5.75</b>   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
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| Feature  | Within Range   | Descriptive Field   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| 303(d)   | No   | N/A   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Wetland Species  | Yes  | 4-6 FOCAL SPECIES IN WETLAND AREAS  |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Rare and Imperiled   | Yes  | ALABAMA SHAD,ALLIGATOR GAR<br>BLUENOSE SHINER,GULF STURGEON<br>SPECKLED CHUB,IRONCOLOR SHINER<br>SPOTTED BULLHEAD,SPECKLED DARTER |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Land Use/ Cover  | Yes  | N/A/<br>STREAMS AND WATERWAYS   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Candidate Mussels  | No   | N/A   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| Sturgeon C.H.  | Yes  | N/A   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |
| <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Infrequent<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Medium Sand and Clay<br><i>Bank Material:</i> Sand   |  |   |              |                   |                   |      |     |                    |      |                                    |                    |          |   |                 |      |                               |                   |                    |     |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |

Notes: Bleachers and garbage barrels present onshore. An unpaved Eglin AFB road leads to the site.

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| Yellow River   | ok-0319-001  | Severity Score<br>5.25  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
|--|--|---|-------|-------------------|------|-----|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|--------------------|---|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|------------------------------------|--------------------|-----|---|-----------------|-----|--|-------------------|-----|---------------|---------------|-----|-----|---|
| <u>Common:</u> 7mi SW of Crestview, Little Gin Hole Landing on EAFB<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.680277, -86.650922<br><u>Land owner:</u> USA- Eglin AFB  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-16W-16<br><u>Parcel No.:</u> 1   | <u>State:</u> Florida   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| <br>LB  |  |   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
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| Risk Factor  | Ranking  | Score   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Channel Stability  | Good   | 0.5   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Channel Alteration   | None   | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Bank Erosion   | Active   | 1   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| BEHI   | Moderate   | 0.5   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Local NPSP   | Moderate Potential   | 1   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Shoring Structures   | Present  | 1.5   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Pipe Discharge   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Water Odors  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Fish Passage Barrier   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| RB: Riparian Buffer  | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| LB: Riparian Buffer  | 0-29 ft  | 0.75  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| RB: Floodplain Access  | Full   | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| LB: Floodplain Access  | Full   | 0   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| <b>River Threat Index:</b>   |  | <b>5.25</b>   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Feature  | Within Range   | Descriptive Field   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| 303(d)   | No   | N/A   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN WETLAND AREAS  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Rare and Imperiled   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Land Use/ Cover  | Yes  | N/A/ STREAMS AND WATERWAYS & UPLAND AND CONIFEROUS FORESTS  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Candidate Mussels  | Yes  | NARROW PIGTOE   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |
| Sturgeon C.H.  | Yes  | N/A   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |   |         |              |                   |        |    |     |                 |     |                                    |                    |     |   |                 |     |  |                   |     |               |               |     |     |   |

Notes: A gravel road leads to this recreational site. Little Gin Hole Landing.

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| Yellow River   |                               | ok-0319-006           | Severity Score<br>4.75   |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
|--|-------------------------------|-----------------------|--|--------------|---|-------|---------|--------------|-------------------|--------------------------|------|-----|--------|----|-----|---------------------------|------|---|-----------------|-----|------------------------------------|---------------------|--------------|-----|--------------------|-----|---|-------------|------|---|-----------------|-----|----------------------------|-------------------|-------------|---|-------------------|----|-----|---------------------------|-------------|---|---------------|-----|-----|-----------------------|-------------|---|--|--|--|--------------------|-------------|---|--|--|--|-----------------------------|-------------|---|--|--|--|----------------------------|---------|---|--|--|--|----------------------------|----------|-----|--|--|--|------------------------------|------|---|--|--|--|------------------------------|---------|------|--|--|--|----------------------------|--|-------------|--|--|--|
| <u>Common:</u> 10.3mi SW of Crestview  | <u>County:</u> Okaloosa       | <u>State:</u> Florida |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <u>Drainage:</u> Blackwater Bay  | <u>PLSS(T-R-S):</u> 2N-25W-14 |                       |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <u>Land owner:</u> RB: NFWFMD/ LB: USA   | <u>Parcel No.:</u> 1/2        |                       |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
|  <p>LB</p>  |                               |                       |    |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td><td>Poor</td><td>1.5</td><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td><i>Channel Alteration</i></td><td>None</td><td>0</td><td>Wetland Species</td><td>Yes</td><td>4-6 FOCAL SPECIES IN WETLAND AREAS</td></tr> <tr> <td><i>Bank Erosion</i></td><td>Mass Wasting</td><td>1.5</td><td>Rare and Imperiled</td><td>Yes</td><td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr> <td><i>BEHI</i></td><td>High</td><td>1</td><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ STREAMS AND WATERWAYS</td></tr> <tr> <td><i>Local NPSP</i></td><td>No Evidence</td><td>0</td><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td><i>Shoring Structures</i></td><td>Not Present</td><td>0</td><td>Sturgeon C.H.</td><td>Yes</td><td>N/A</td></tr> <tr> <td><i>Pipe Discharge</i></td><td>Not Present</td><td>0</td><td colspan="3"> <b>Additional Site Features</b><br/> <i>Stream Channel Woody Material:</i> Infrequent<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Clay Marl<br/> <i>Bank Material:</i> Sand and Clay           </td></tr> <tr> <td><i>Water Odors</i></td><td>Not Present</td><td>0</td><td colspan="3"></td></tr> <tr> <td><i>Fish Passage Barrier</i></td><td>Not Present</td><td>0</td><td colspan="3"></td></tr> <tr> <td><i>RB: Riparian Buffer</i></td><td>100+ ft</td><td>0</td><td colspan="3"></td></tr> <tr> <td><i>LB: Riparian Buffer</i></td><td>30-49 ft</td><td>0.5</td><td colspan="3"></td></tr> <tr> <td><i>RB: Floodplain Access</i></td><td>Full</td><td>0</td><td colspan="3"></td></tr> <tr> <td><i>LB: Floodplain Access</i></td><td>Partial</td><td>0.25</td><td colspan="3"></td></tr> <tr> <td colspan="2" style="text-align: right;"><b>River Threat Index:</b></td><td><b>4.75</b></td><td colspan="3"></td></tr> </tbody> </table> |                               |                       |  | Risk Factor  | Ranking   | Score | Feature | Within Range | Descriptive Field | <i>Channel Stability</i> | Poor | 1.5 | 303(d) | No | N/A | <i>Channel Alteration</i> | None | 0 | Wetland Species | Yes | 4-6 FOCAL SPECIES IN WETLAND AREAS | <i>Bank Erosion</i> | Mass Wasting | 1.5 | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <i>BEHI</i> | High | 1 | Land Use/ Cover | Yes | N/A/ STREAMS AND WATERWAYS | <i>Local NPSP</i> | No Evidence | 0 | Candidate Mussels | No | N/A | <i>Shoring Structures</i> | Not Present | 0 | Sturgeon C.H. | Yes | N/A | <i>Pipe Discharge</i> | Not Present | 0 | <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Infrequent<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Clay Marl<br><i>Bank Material:</i> Sand and Clay |  |  | <i>Water Odors</i> | Not Present | 0 |  |  |  | <i>Fish Passage Barrier</i> | Not Present | 0 |  |  |  | <i>RB: Riparian Buffer</i> | 100+ ft | 0 |  |  |  | <i>LB: Riparian Buffer</i> | 30-49 ft | 0.5 |  |  |  | <i>RB: Floodplain Access</i> | Full | 0 |  |  |  | <i>LB: Floodplain Access</i> | Partial | 0.25 |  |  |  | <b>River Threat Index:</b> |  | <b>4.75</b> |  |  |  |
| Risk Factor  | Ranking                       | Score                 | Feature  | Within Range | Descriptive Field   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Channel Stability</i>   | Poor                          | 1.5                   | 303(d)   | No           | N/A   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Channel Alteration</i>  | None                          | 0                     | Wetland Species  | Yes          | 4-6 FOCAL SPECIES IN WETLAND AREAS  |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Bank Erosion</i>  | Mass Wasting                  | 1.5                   | Rare and Imperiled   | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>BEHI</i>  | High                          | 1                     | Land Use/ Cover  | Yes          | N/A/ STREAMS AND WATERWAYS  |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Local NPSP</i>  | No Evidence                   | 0                     | Candidate Mussels  | No           | N/A   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Shoring Structures</i>  | Not Present                   | 0                     | Sturgeon C.H.  | Yes          | N/A   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Pipe Discharge</i>  | Not Present                   | 0                     | <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Infrequent<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Clay Marl<br><i>Bank Material:</i> Sand and Clay |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Water Odors</i>   | Not Present                   | 0                     |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present                   | 0                     |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft                       | 0                     |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>LB: Riparian Buffer</i>   | 30-49 ft                      | 0.5                   |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>RB: Floodplain Access</i>   | Full                          | 0                     |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <i>LB: Floodplain Access</i>   | Partial                       | 0.25                  |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |
| <b>River Threat Index:</b>   |                               | <b>4.75</b>           |  |              |   |       |         |              |                   |                          |      |     |        |    |     |                           |      |   |                 |     |                                    |                     |              |     |                    |     |   |             |      |   |                 |     |                            |                   |             |   |                   |    |     |                           |             |   |               |     |     |                       |             |   |  |  |  |                    |             |   |  |  |  |                             |             |   |  |  |  |                            |         |   |  |  |  |                            |          |     |  |  |  |                              |      |   |  |  |  |                              |         |      |  |  |  |                            |  |             |  |  |  |

Notes: Roots and new trees showing recent repair of riparian buffer, but bare banks. Logging road 33ft from rivers edge on the left bank. Former clear cut evident in historical aerial (1994).

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| Boiling Creek  |  | sr-1006-001  | Severity Score<br>4.25 |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
|--|--|--|------------------------|---------|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|----------|-----|------------|--------------------|---|--------------------|---------|-----|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|-----------------------------------|-----------------|-----|--------------------------------|-------------------|-----|---------------|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|
| <u>Common:</u> 6.2mi SE of Milton<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> LB: USA- Eglin AFB/ RB: NFWFMD  | <u>County:</u> Santa Rosa<br><u>PLSS(T-R-S):</u> 1N-27W-24<br><u>Parcel No.:</u> 2/1 | <u>State:</u> Florida  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
|   |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| LB   |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>Moderate Potential</td> <td>1</td> </tr> <tr> <td>Shoring Structures</td> <td>Present</td> <td>1.5</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>4.25</b></td><td></td></tr> </tbody> </table> |  |  | Risk Factor            | Ranking | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Not Eroding | 0 | BEHI | Moderate | 0.5 | Local NPSP | Moderate Potential | 1 | Shoring Structures | Present | 1.5 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> |  | <b>4.25</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>BLUENOSE SHINER, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>WETLAND FORESTED MIXED</td> </tr> <tr> <td>Candidate Mussels</td> <td>Yes</td> <td>NARROW PIGTOE</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | BLUENOSE SHINER, IRONCOLOR SHINER | Land Use/ Cover | Yes | N/A/<br>WETLAND FORESTED MIXED | Candidate Mussels | Yes | NARROW PIGTOE | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |
| Risk Factor  | Ranking  | Score  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Channel Stability  | Good   | 0.5  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Channel Alteration   | None   | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Bank Erosion   | Not Eroding  | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| BEHI   | Moderate   | 0.5  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Local NPSP   | Moderate Potential   | 1  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Shoring Structures   | Present  | 1.5  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Pipe Discharge   | Not Present  | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Water Odors  | Not Present  | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Fish Passage Barrier   | Not Present  | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| RB: Riparian Buffer  | 100+ ft  | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| LB: Riparian Buffer  | 0-29 ft  | 0.75   |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| RB: Floodplain Access  | Full   | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| LB: Floodplain Access  | Full   | 0  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <b>River Threat Index:</b>   |  | <b>4.25</b>  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Feature  | Within Range   | Descriptive Field  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| 303(d)   | No   | N/A  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Rare and Imperiled   | Yes  | BLUENOSE SHINER, IRONCOLOR SHINER  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Land Use/ Cover  | Yes  | N/A/<br>WETLAND FORESTED MIXED   |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Candidate Mussels  | Yes  | NARROW PIGTOE  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| Sturgeon C.H.  | No   | N/A  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <b>Additional Site Features</b>  |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent   |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <i>Impoundments:</i> None  |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |
| <i>Bank Material:</i> Sand   |  |  |                        |         |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |                    |   |                    |         |     |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |   |                            |  |             |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                |                   |     |               |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |

Notes: The public boat launch is frequented for AFB training. Team observed multiple Hummers at launch as well as witnessed closing of the road for the final mission for Ranger School. Boat launch is composed of about five percent concrete. Road leading to boat launch is within the flood plain and frequently flooded. Difficult to drive.

| Yellow River   |  | ok-0319-002  | Severity Score<br>3.75                |              |   |
|--|--|--|---------------------------------------|--------------|---|
| <u>Common:</u> 7.4mi SW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.680552, -86.651965<br><u>Land owner:</u> USA- Eglin AFB | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-16W-16<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida  |                                       |              |   |
|   |  |  |                                       |              |   |
| <b>LB</b>  |  |  |                                       |              |   |
| Risk Factor  | Ranking  | Score  | Feature                               | Within Range | Descriptive Field   |
| <i>Channel Stability</i>   | Good   | 0.5  | 303(d)                                | No           | N/A   |
| <i>Channel Alteration</i>  | None   | 0  | Wetland Species                       | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>  | Historic   | 1  | Rare and Imperiled                    | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>  | Moderate   | 0.5  | Sturgeon Spawning                     | No           | N/A/<br>STREAMS AND WATERWAYS   |
| <i>Local NPSP</i>  | Moderate Potential   | 1  | Candidate Mussels                     | Yes          | NARROW PIGTOE   |
| <i>Shoring Structures</i>  | Not Present  | 0  | Sturgeon C.H.                         | Yes          | N/A   |
| <i>Pipe Discharge</i>  | Not Present  | 0  | <b>Additional Site Features</b>       |              |   |
| <i>Water Odors</i>   | Not Present  | 0  | <i>Stream Channel Woody Material:</i> | Moderate     |   |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  | <i>Impoundments:</i>                  | None         |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  | <i>Substrate Composition:</i>         | Medium Sand  |   |
| <i>LB: Riparian Buffer</i>   | 0-29 ft  | 0.75   | <i>Bank Material:</i>                 | Sand         |   |
| <i>RB: Floodplain Access</i>   | Full   | 0  |                                       |              |   |
| <i>LB: Floodplain Access</i>   | Full   | 0  |                                       |              |   |
| <b>River Threat Index:</b> 3.75  |  |  |                                       |              |   |

Notes: Eglin AFB Gin Hole Landing recreational site. Found shotgun shells on the back. Scar of improvised boat launch? Evidence of camp fires. Top of LB is clear.

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| Shoal River   | ok-0421-003   | Severity Score<br>3.5  |                           |              |  |
|---|---|--|---------------------------|--------------|--|
| <u>Common:</u> 5.7mi SW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.690948407, -86.619695355<br><u>Land owner:</u> USA – Eglin AFB |   |  |                           |              |  |
|    | <br> | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24W-11<br><u>Parcel No.:</u> 1 |                           |              |  |
| <b>LB</b>   |   |  |                           |              |  |
| Risk Factor   | Ranking   | Score  | Feature                   | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair  | 1  | <b>303(d)</b>             | No           | N/A  |
| <i>Channel Alteration</i>   | None  | 0  | <b>Wetland Species</b>    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <i>Bank Erosion</i>   | Not eroding   | 0  | <b>Rare and Imperiled</b> | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High  | 1  | <b>Land Use/ Cover</b>    | Yes          | N/A/<br>STREAMS AND WATERWAYS                      |
| <i>Local NPSP</i>   | No Evidence   | 0  | <b>Candidate Mussels</b>  | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present   | 0  | <b>Sturgeon C.H.</b>      | Yes          | N/A  |
| <i>Pipe Discharge</i>   | Not Present   | 0  |                           |              |  |
| <i>Water Odors</i>  | Not Present   | 0  |                           |              |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |                           |              |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft   | 0  |                           |              |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |                           |              |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |                           |              |  |
| <i>LB: Floodplain Access</i>  | None  | 0.75   |                           |              |  |
|   | <b>River Threat Index:</b>  | <b>3.5</b>   |                           |              |  |
| <b>Additional Site Features</b>   |   |  |                           |              |  |
| <i>Stream Channel Woody Material:</i> Moderate  |   |  |                           |              |  |
| <i>Impoundments:</i> None   |   |  |                           |              |  |
| <i>Substrate Composition:</i> Medium Sand   |   |  |                           |              |  |
| <i>Bank Material:</i> Sand  |   |  |                           |              |  |

Notes: Road adjacent to eroded bank, contributing

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| Yellow River   | ok-0225-003   | Severity Score<br><b>3.5</b>   |  |              |   |
|--|---|--|--|--------------|---|
| <u>Common:</u> 12.2mi SW of Crestview, .2mi DS Tarwick Creek<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.671957, -86.748319<br><u>Land owner:</u> RB: Joe Livingston/ LB: USA- Eglin AFB | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 16-2N-25<br><u>Parcel No.:</u> 6.003F/ LB: 2 | <u>State:</u> Florida  |  |              |   |
|   |   |  |  |              |   |
| RB   |   |  |  |              |   |
| Risk Factor  | Ranking   | Score  | Feature  | Within Range | Descriptive Field   |
| <i>Channel Stability</i>   | Fair  | 1  | 303(d)   | No           | N/A   |
| <i>Channel Alteration</i>  | None  | 0  | Wetland Species                                | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>  | Active  | 1  | Rare and Imperiled                             | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>  | High  | 1  | Land Use/ Cover                                | Yes          | N/A/ STREAMS AND WATERWAYS  |
| <i>Local NPSP</i>  | Slight  | 0.5  | Candidate Mussels                              | No           | N/A   |
| <i>Shoring Structures</i>  | Not Present   | 0  | Sturgeon C.H.                                  | Yes          | N/A   |
| <i>Pipe Discharge</i>  | Not Present   | 0  | <b>Additional Site Features</b>                |              |   |
| <i>Water Odors</i>   | Not Present   | 0  | <u>Stream Channel Woody Material:</u> Moderate |              |   |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  | <u>Impoundments:</u> None                      |              |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  | <u>Substrate Composition:</u> Medium Sand      |              |   |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  | <u>Bank Material:</u> Sand                     |              |   |
| <i>RB: Floodplain Access</i>   | Full  | 0  |  |              |   |
| <i>LB: Floodplain Access</i>   | Full  | 0  |  |              |   |
| <b>River Threat Index:</b>   |   | <b>3.5</b>   |  |              |   |

Notes: This site is the south end of a foot path coming from the River's Edge Campground, pictured in the northeast corner of the aerial photo.

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| Yellow River  | ok-0319-007  | Severity Score<br>2.5   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
|---|--|---|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|----------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|---------------------------------|--|--|--|
| <u>Common:</u> 7.4mi SW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.672025, -86.719466<br><u>Land owner:</u> RB: NFWFMD / LB: USA  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-25W-14<br><u>Parcel No.:</u> 1 / 2                | <u>State:</u> Florida   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <br>LB   | <br>Google |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>2.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A/ STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Substrate Composition:</i> Clay Marl</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><i>Bank Material:</i> Clay Marl</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Clay Marl |  |  | <i>Bank Material:</i> Clay Marl |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Channel Alteration</i>   | None   | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>River Threat Index:</b>  | <b>2.5</b>   |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>303(d)</b>   | No   | N/A   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A/ STREAMS AND WATERWAYS  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Substrate Composition:</i> Clay Marl   |  |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |
| <i>Bank Material:</i> Clay Marl   |  |   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                 |  |  |  |

Notes: Old silviculture site? Very limited old growth, mostly the first few feet on top of the bank. The vegetation beyond the initial floodplain coverage is clearly young growth. Aerial image shows evidence of the old lateral meander channel.

| Yellow River  | ok-0224-001  | Severity Score<br>2.5   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
|---|--|---|-------|-------------------|------|---|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|---|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|--------------------------------------|--|--|--|
| <u>Common:</u> 13.4mi SE of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.659633, -86.763533<br><u>Land owner:</u> LB: NFWFMD; USA- Eglin AFB   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-25W-20<br><u>Parcel No.:</u> LB: 1.001; 3 | <u>State:</u> Florida   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <br>LB   |    |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Fair</td> <td>1</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td><td><b>2.5</b></td><td></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | Channel Stability | Fair | 1 | Channel Alteration | None | 0 | Bank Erosion | Active | 1 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/ STREAMS AND LAKE SWAMPS (BOTTOMLAND)</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Roots</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | Land Use/ Cover | Yes | N/A/ STREAMS AND LAKE SWAMPS (BOTTOMLAND) | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand and Roots |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Channel Stability   | Fair   | 1   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Channel Alteration  | None   | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Bank Erosion  | Active   | 1   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| BEHI  | Moderate   | 0.5   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Local NPSP  | No Evidence  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Shoring Structures  | Not Present  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Pipe Discharge  | Not Present  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Water Odors   | Not Present  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Fish Passage Barrier  | Not Present  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| RB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| LB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| RB: Floodplain Access   | Full   | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| LB: Floodplain Access   | Full   | 0   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <b>River Threat Index:</b>  | <b>2.5</b>   |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| 303(d)  | No   | N/A   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Rare and Imperiled  | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Land Use/ Cover   | Yes  | N/A/ STREAMS AND LAKE SWAMPS (BOTTOMLAND)   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Candidate Mussels   | No   | N/A   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Sturgeon C.H.   | Yes  | N/A   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Bank Material:</i> Sand and Roots  |  |   |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |

Notes: Close proximity to a public boat launch. Receives a lot of wake/ wave action.

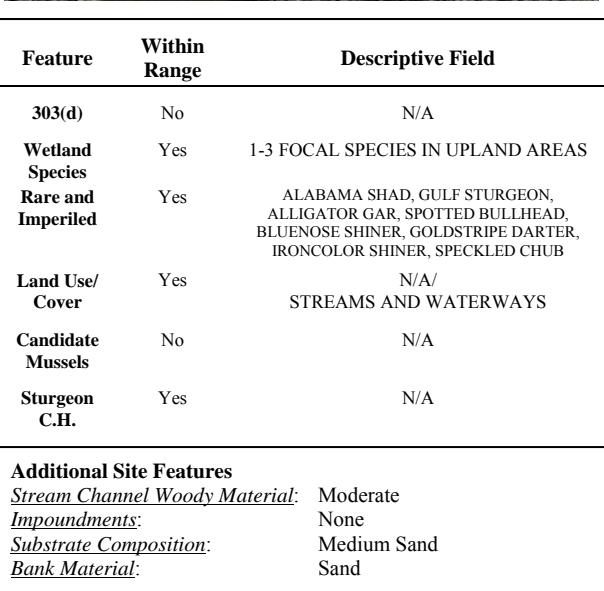
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| Yellow River   | sr-0305-005  | Severity Score<br>2   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|---|-------|--------------------------|------|---|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|-------------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 11mi E of Bagdad<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.611, -86.835167<br><u>Land owner:</u> RB: NFWFMD / LB: USA- Eglin AFB  | <u>County:</u> Santa Rosa<br><u>PLSS:</u> 1N-26W-10<br><u>Parcel No.:</u> 1/2      | <u>State:</u> Florida   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>RB  |  |    |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A/<br>STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Fair   | 1   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Historic   | 0.5   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | Moderate   | 0.5   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>  | No Evidence  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>2</b>   |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>  | No   | N/A   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>  | Yes  | ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A/<br>STREAMS AND WATERWAYS   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>   | No   | N/A   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>   | Yes  | N/A   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Natural feature

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| Yellow River  | sr-0305-004  | Severity Score<br>1.5  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|----------|-----|-------------|--------------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|----------------------------|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 12mi E of Bagdad<br><u>Drainage:</u> Blackwater Bay<br><u>Land owner:</u> NFWFMD   | <u>County:</u> Santa Rosa<br><u>PLSS:</u> 1N-26W-3<br><u>Parcel No.:</u> 1.001     | <u>State:</u> Florida  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>RB</b>  |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Fair</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Historic</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Low-Very Low</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>1.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPED DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A/ STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Stream Channel Woody Material:</i> Numerous</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 5px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPED DARTER, IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | N/A/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Numerous |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Low-Very Low   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)  | No   | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled  | Yes  | ALABAMA SHAD, GULF STURGEON, ALLIGATOR GAR, SPOTTED BULLHEAD, BLUENOSE SHINER, GOLDSTRIPED DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover   | Yes  | N/A/ STREAMS AND WATERWAYS   |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels   | No   | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.   | Yes  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Numerous  |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |  |       |                          |      |   |                           |      |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Natural feature.

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| Shoal River  | ok-0422-001  | Severity Score<br>1.5                              |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|-------------|---|-------------|--------------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-------------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 5.3mi SW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.69467494, -86.61382983<br><u>Land owner:</u> USA  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-24W-11<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida                              |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>LB  |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Poor</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Not eroding</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Low-Very Low</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>1.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Not eroding | 0 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A/<br/>STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> <tr> <td colspan="3" style="text-align: left; padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Stream Channel Woody Material:</i> Numerous</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Substrate Composition:</i> Coarse Sand</td></tr> <tr> <td colspan="3" style="padding: 2px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A/<br>STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Numerous |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Coarse Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Poor   | 1.5  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Not eroding  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | Low-Very Low   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>1.5</b>   |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field                                  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A/<br>STREAMS AND WATERWAYS                      |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>   | Yes  | N/A  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Numerous   |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Coarse Sand  |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Aggradational Site: Large, fresh deposit extended into forest- 4 in of fine sand and about 1 inch of coarse sand result of recent heavy rains and flooding.

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| Yellow River   | ok-0224-002  | Severity Score<br>1.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
|--|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|--|------------|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|--|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|--|--|--|--|
| <u>Common:</u> 16.6mi NE of Bagdad<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.658450, -86.763867<br><u>Land owner:</u> RB: NFWFMD / LB: USA- Eglin AFB  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-25W-20<br><u>Parcel No.:</u> 1.001/ 3 | <u>State:</u> Florida   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
|   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>RB</b>  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>1.5</b></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> |  | <b>1.5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/<br/>STREAMS AND LAKE SWAMPS (BOTTOMLAND)</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand, Mud, and Roots</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A/<br>STREAMS AND LAKE SWAMPS (BOTTOMLAND) | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand, Mud, and Roots |  |  |  |
| Risk Factor  | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Channel Stability</i>   | Good   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Channel Alteration</i>  | None   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Bank Erosion</i>  | Historic   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>BEHI</i>  | Moderate   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Local NPSP</i>  | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>River Threat Index:</b>   |  | <b>1.5</b>  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| Feature  | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>303(d)</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Rare and Imperiled</b>  | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A/<br>STREAMS AND LAKE SWAMPS (BOTTOMLAND)  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Candidate Mussels</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Sturgeon C.H.</b>   | Yes  | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <b>Additional Site Features</b>  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Impoundments:</i> None  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |
| <i>Bank Material:</i> Sand, Mud, and Roots   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |            |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |   |                        |     |  |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |  |  |  |  |

Notes: Riparian zone is fully intact. Natural eroding bend.

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# Camp Creek

ok-0407-r-007

Sedimentation Risk Index  
**34**

Common: 5.5mi SSW of Holt  
Drainage: Yellow River      GPS: 30.638242, -86.772761  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-25-31  
Parcel No.: 1  
Road Name: Rattlesnake Bluff Rd



Crossing Structure: US



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 6,12,13,20,24,25  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ NA  |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Failing BMPs installed DS. Unnaturally ponded as a result of undersized

# Crane Branch

sr-0414-r-001

Sedimentation Risk Index  
**34**

Common: 5.3mi SE of Harold  
Drainage: Yellow River      GPS: 30.621522, -86.801922  
Land owner: US Government- Eglin AFB

County: Santa Rosa  
PLSS(T-R-S): 1N-26-01  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB

State: Florida



Crossing Structure: DS



US



Google

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>30</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Reinforced Concrete  
Soil Types: 7,21,22,23  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ NA  |
| Candidate Mussels  | No           | N/A   |
| Sturgeon           | No           | N/A   |

Notes: Failing BMPs installed. 1 culvert blocked 1 clear

| <h1>Gopher Creek</h1>  | ok-0318-r-001   | <b>Sedimentation Risk Index<br/>36</b>  |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
|--|---|---|---------|--------------|-------------------|--------|----|------------------|-----------------|-----|-----------------------------------|--------------------|----|---------------------|-----------------|-----|-------------------------|-------------------|----|------------------------|----------------------|----|------------------------|---------------|---|------------------------------|--------|---|---------------------|-----|---|---------------|-------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|--------------------------|---|---------------|----------------------------|---|------------------|------------------|-----------|---|
| <u>Common:</u> 5.9mi SW of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.681847, -86.606008<br><u>Land owner:</u> US Government- Eglin AFB  | <u>County:</u> Okaloosa<br><u>PLSS (T-R-S):</u> 2N-24-11<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Rattlesnake Hill Rd | <u>State:</u> Florida   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
|   |   |   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| <b>Crossing Structure: DS</b>  |   | DS  |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Channel Morph</td><td>DA</td><td>3</td></tr> <tr><td>DS Bank Alteration</td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td>Upstream Skew Angle</td><td>&lt;5°</td><td>5</td></tr> <tr><td>Crossing fill condition</td><td>Good/Vegetated</td><td>5</td></tr> <tr><td>Inlet/Outlet Condition</td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>&gt;40 y³</td><td>1</td></tr> <tr><td>Approach Slope Mean</td><td>&gt;4%</td><td>1</td></tr> <tr><td>Soil K Factor</td><td>&lt;0.20</td><td>5</td></tr> <tr><td>Upstream Rt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Outlet Total</td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td>Ditches Total</td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>High Risk</b></td><td><b>36</b></td></tr> </tbody> </table> |   | Risk Factor   | Ranking | Score        | US Channel Morph  | E      | 5  | DS Channel Morph | DA              | 3   | DS Bank Alteration                | MINOR/PARTIAL      | 3  | Upstream Skew Angle | <5°             | 5   | Crossing fill condition | Good/Vegetated    | 5  | Inlet/Outlet Condition | Sed Islands/Scouring | 3  | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | >40 y³ | 1 | Approach Slope Mean | >4% | 1 | Soil K Factor | <0.20 | 5 | Upstream Rt Outlet | Bare soil | 0 | Upstream Lt Outlet | Bare soil | 0 | Upstream Rt Ditch | Bare soil | 0 | Upstream Lt Ditch | Bare soil | 0 | Downstream Rt Outlet | Bare soil | 0 | Downstream Lt Outlet | Bare soil | 0 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Unimproved Outlet System | 1 | Ditches Total | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>36</b> |  |
| Risk Factor  | Ranking   | Score   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| US Channel Morph   | E   | 5   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| DS Channel Morph   | DA  | 3   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| DS Bank Alteration   | MINOR/PARTIAL   | 3   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Upstream Skew Angle  | <5°   | 5   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Crossing fill condition  | Good/Vegetated  | 5   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Inlet/Outlet Condition   | Sed Islands/Scouring  | 3   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Road Approach Material   | All Sand/Clay   | 3   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Potential Eroded Volume Mean   | >40 y³  | 1   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Approach Slope Mean  | >4%   | 1   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Soil K Factor  | <0.20   | 5   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Upstream Rt Outlet   | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Upstream Lt Outlet   | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Upstream Rt Ditch  | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Upstream Lt Ditch  | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Downstream Rt Outlet   | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Downstream Lt Outlet   | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Downstream Rt Ditch  | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Downstream Lt Ditch  | Bare soil   | 0   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Outlet Total   | Unimproved Outlet System  | 1   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Ditches Total  | Unimproved Drainage System  | 1   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| <b>SRI Total</b>   | <b>High Risk</b>  | <b>36</b>   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> 12,13,14,25<br/> <u>Lt Approach Prism Fill:</u> 0.5in<br/> <u>Rt Approach Prism Fill:</u> 1.0in         </p>   |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>INSTITUTIONAL/ N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A              | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A                 | Land Use/ Cover | Yes | INSTITUTIONAL/ N/A      | Candidate Mussels | No | N/A                    | Sturgeon C.H.        | No | N/A                    |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Feature  | Within Range  | Descriptive Field   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| 303(d)   | No  | N/A   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Rare and Imperiled   | No  | N/A   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Land Use/ Cover  | Yes   | INSTITUTIONAL/ N/A  |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Candidate Mussels  | No  | N/A   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |
| Sturgeon C.H.  | No  | N/A   |         |              |                   |        |    |                  |                 |     |                                   |                    |    |                     |                 |     |                         |                   |    |                        |                      |    |                        |               |   |                              |        |   |                     |     |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                          |   |               |                            |   |                  |                  |           |   |

Notes: Rt Outlet draining directly into DS via additional culvert.

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# Carroll Creek

ok-0407-r-006

Sedimentation Risk Index  
**40**

Common: 4.9mi S of Holt  
Drainage: Yellow River      GPS: 30.645911, -86.757428  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-25-22  
Parcel No.: 1  
Road Name: Rattlesnake Bluff Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 4,6,8,12,13,14,20,23,24,25,50  
Rt Approach Prism Fill: 2.5in  
Lt Approach Prism Fill: 3.0in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ N/A   |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Failing BMPs installed. Culvert undersized for flow affecting skew angle.

# Milligan Creek

ok-0407-r-008

Sedimentation Risk Index  
**40**

Common: 6.6mi SE of Harold  
Drainage: Yellow River      GPS: 30.631983, -86.774081  
Land owner: US Government-Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-25-31  
Parcel No.: 1  
Road Name: Rattlesnake Bluff Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 4,6,8,12,13,14,20,23,25,50  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 3.0in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 4-6 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ NA  |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Bare soil fill and drainage/outlets, major score influence. High slope %, sediment input.

| <b>Atwell Pond</b>  | <b>sr-0414-r-005</b>  | <b>Sedimentation Risk Index<br/>40</b> |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
|---|---|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|----------|----------------------|----------------------------|----------|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|----------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 6.7mi S of Harold<br><u>Drainage:</u> Poplar Branch <u>GPS:</u> 30.561150, -86.873011<br><u>Land owner:</u> US Government- Eglin AFB   | <u>County:</u> Santa Rosa<br><u>PLSS(T-R-S):</u> 1N-26-29<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> RR 211-Eglin AFB | <u>State:</u> Florida                  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
|    |                                       | <b>US</b>                              |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <b>Crossing Structure: DS</b>   |                                      | <b>US</b>                              |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><b>Outlet Total</b></td> <td>Unimproved Outlet System</td> <td style="text-align: right;"><b>1</b></td> </tr> <tr> <td><b>Ditches Total</b></td> <td>Unimproved Drainage System</td> <td style="text-align: right;"><b>1</b></td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>40</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert,1; Stand Pipe, 1</p> <p><u>Crossing Materials:</u> Reinforced Concrete; Metal</p> <p><u>Soil Types:</u> 7,21,23,46</p> <p><u>Rt Approach Prism Fill:</u> 1.0in</p> <p><u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor   | Ranking                                | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | <b>1</b> | <b>Ditches Total</b> | Unimproved Drainage System | <b>1</b> | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PUBLIC/SEMI-PUBLIC/<br/>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | PUBLIC/SEMI-PUBLIC/<br>N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking   | Score                                  |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>   | PONDED  | 1                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>   | E   | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>  | <5°   | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>  | <2%   | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>  | <0.20   | 5                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <b>Outlet Total</b>   | Unimproved Outlet System  | <b>1</b>                               |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <b>Ditches Total</b>  | Unimproved Drainage System  | <b>1</b>                               |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>                              |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Feature   | Within Range  | Descriptive Field                      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| 303(d)  | No  | N/A                                    |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS      |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Rare and Imperiled  | No  | N/A                                    |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes   | PUBLIC/SEMI-PUBLIC/<br>N/A             |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Candidate Mussels   | No  | N/A                                    |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No  | N/A                                    |       |                         |        |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |          |                      |                            |          |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                            |                   |    |     |               |    |     |  |

Notes: Recreational site- possible fishing pond.

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| <b>Crain Pond</b>  | ok-0318-r-002   | Sedimentation Risk Index<br><b>42</b>              |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
|--|---|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|--------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 6.3mi SW of Crestview<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.681965, -86.622201<br><u>Land owner:</u> US Government- Eglin AFB  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24-11<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Rattlesnake Bluff Rd | <u>State:</u> Florida                              |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
|   |   | DS   |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <b>Crossing Structure- US</b>  |   |  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Reservoir Drain, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> 6,12,13,20,24,25<br/> <u>Rt Approach Prism Fill:</u> 1.0in<br/> <u>Lt Approach Prism Fill:</u> 1.5in</p> | Risk Factor   | Ranking  | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  <p style="text-align: right;">Goog</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>INSTITUTIONAL/ N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER | Land Use/ Cover | Yes | INSTITUTIONAL/ N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking   | Score  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | PONDED  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | C   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | >40 y³  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | <2%   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Improved Outlet System  | 5  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>42</b>  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field                                  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| 303(d)   | No  | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes   | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes   | INSTITUTIONAL/ N/A                                 |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A  |       |                         |        |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |

Notes: Reservoir drain/stand pipe US, unable to locate DS drainage structure.

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| Carr Spring Branch  |  | ok-0318-r-003                          | Sedimentation Risk Index<br>42  |
|---|--|--|---|
| <u>Common:</u> 8.2mi SW of Crestview  |  |  |   |
| <u>Drainage:</u> Yellow River   | <u>GPS:</u> 30.674736, -86.650819  | <u>County:</u> Okaloosa                | <u>State:</u> Florida   |
| <u>Land owner:</u> US Government- Eglin AFB                                       |  | <u>PLSS(T-R-S):</u> 2N-24-16           |   |
|   |  | <u>Parcel No.:</u> 1                   |   |
|   |  | <u>Road Name:</u> Rattlesnake Bluff Rd |   |
|  |  |  |   |
| <b>Crossing Structure: DS</b>   |  | US                                     |  |
| Risk Factor   | Ranking  | Score                                  |   |
| <i>US Channel Morph</i>   | E  | 5                                      |   |
| <i>DS Channel Morph</i>   | C  | 5                                      |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3                                      |   |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3                                      |   |
| <i>Crossing fill condition</i>  | Fair/Riprap  | 3                                      |   |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5                                      |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                      |   |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1                                      |   |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3                                      |   |
| <i>Soil K Factor</i>  | <0.20  | 5                                      |   |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                      |   |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                      |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0                                      |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0                                      |   |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0                                      |   |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0                                      |   |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1                                      |   |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1                                      |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3                                      |   |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3                                      |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>                              |   |
| <b>Additional Site Features</b>   |  |  |   |
| <u>Crossing Type and Quantity:</u>  | Culvert, 1   |  |   |
| <u>Crossing Materials:</u>  | Reinforced Concrete  |  |   |
| <u>Soil Types:</u>  | 4,6,8,12,13,20,24,25   |  |   |
| <u>Rt Approach Prism Fill:</u>  | 2.5in  |  |   |
| <u>Lt Approach Prism Fill:</u>  | 2.0in  |  |   |

Notes: Fish passage barrier due to DS drop off. Located between two lateral roads Gin Hole/Little Gin Hole.

## Unnamed tributary

ok-0407-r-003

Sedimentation Risk Index

**44**Common: 5.6mi SE of HoltDrainage: Yellow RiverGPS: 30.661569, -86.688442Land owner: US Government- Eglin AFBCounty: OkaloosaPLSS(T-R-S): 2N-24-19Parcel No.: 1Road Name: Rattlesnake Bluff Rd

Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

**Additional Site Features**Crossing Type and Quantity: Bridge, 1Crossing Materials: WoodSoil Types: 4,6,8,12Rt Approach Prism Fill: 1.5inLt Approach Prism Fill: 1.5in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 4-6 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ N/A   |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None.

# Malone Creek

ok-0407-r-004

Sedimentation Risk Index  
**44**

Common: 4.7mi SE of Holt  
Drainage: Yellow River      GPS: 30.660061, -86.698961  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-25-22  
Parcel No.: 1  
Road Name: Rattlesnake Bluff Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Fair/Riprap                | 3         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 4,8,6,12  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ N/A                |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Rip rap in stream causing potential fish passage barrier.

# Wolf Creek

sr-0407-r-009

Sedimentation Risk Index  
**44**

Common: 5.2mi SE of Harold  
Drainage: Yellow River      GPS: 30.607561, -86.816481  
Land owner: US Government- Eglin AFB

County: Santa Rosa  
PLSS(T-R-S): 1N-26-11  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB

State: Florida



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: 7,21,22,23,46  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ NA   |
| Candidate Mussels  | No           | N/A   |
| Sturgeon           | No           | N/A   |

Notes: Undersized culvert.

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# Boiling Creek

sr-0414-r-004

Sedimentation Risk Index  
**44**

Common: 6.5mi S of Harold  
Drainage: Yellow River      GPS: 30.564953, -86.869203  
Land owner: US Government- Eglin AFB

County: Santa Rosa  
PLSS(T-R-S): 1N-26-29  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB

State: Florida



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 7,21,22,34,40,46,47  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | Yes          | BLUENOSE SHINER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | PUBLIC/SEMI-PUBLIC/ NA            |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: US RT outlet leads directly to US channel for approx. 100 ft. Public swimming hole, canoe launch.  
Frequented for missions by Eglin.

| <b>Turkey Gobbler Creek</b>   | <b>ok-0318-r-004</b>  | <b>Sedimentation Risk Index<br/>46</b> |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|-------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 7.6mi SW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.671397, -86.662544<br><u>Land owner:</u> US Government- Eglin AFB  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24-17<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Rattlesnake Bluff Rd | <u>State:</u> Florida                  |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <br><b>Crossing Structure: US</b>  | <br><b>DS</b>                           |  |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> 4,6,8,12,13,20,24,25<br/> <u>Rt Approach Prism Fill:</u> 2.5in<br/> <u>Lt Approach Prism Fill:</u> 1.5in</p> | Risk Factor   | Ranking                                | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> | <br><b>DS</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>INSTITUTIONAL/ NA</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | INSTITUTIONAL/ NA | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score                                  |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | C   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | NATURAL   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Unimproved Outlet System  | 1                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1                                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Low Risk</b>   | <b>46</b>                              |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| 303(d)  | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | INSTITUTIONAL/ NA                      |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A                                    |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                 |           |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |                   |                   |    |     |               |    |     |

Notes: None

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## Broxon Branch

sr-0407-r-010

Sedimentation Risk Index  
**46**

Common: 4.7mi SE of Harold  
Drainage: Yellow River      GPS: 30.601675, -86.835833  
Land owner: US Government- Eglin AFB

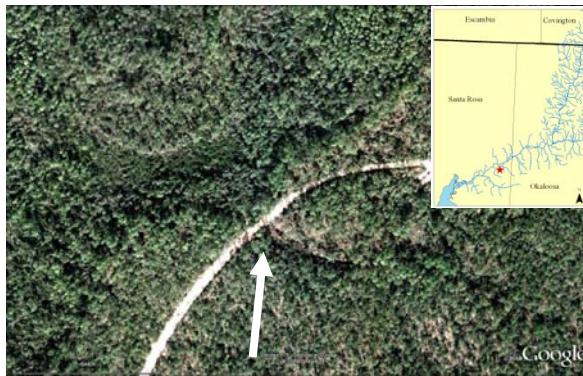
County: Santa Rosa      State: Florida  
PLSS(T-R-S): 1N-26-10  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB



Crossing Structure: US



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>46</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: 6,12,13,20,24,25  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ N/A  |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Rip rap in stream bed

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# Bear Creek

sr-0414-r-002

Sedimentation Risk Index  
**46**

Common: 5.1mi S of Harold  
Drainage: Yellow River GPS: 30.588031, -86.857264  
Land owner: US Government-Eglin AFB

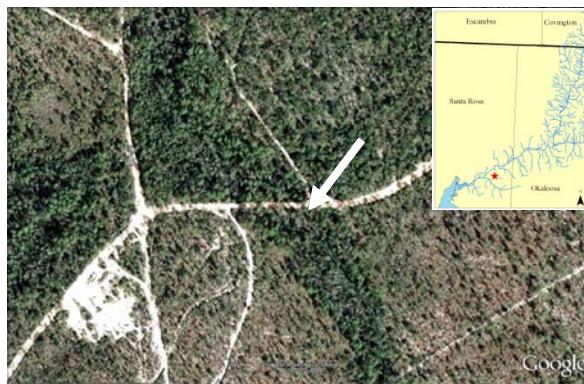
County: Santa Rosa State: Florida  
PLSS(T-R-S): 1N-26-16  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: 7,21,22,23  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | PUBLIC/SEMI-PUBLIC/ NA  |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None.

| Middle Creek  | ok-0318-r-005  | Sedimentation Risk Index<br><b>48</b>                     |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|---|--|---|---|------------------|---|---|------------------|---|---|--------------------|---------|---|---------------------|-----|---|-------------------------|-------------|---|------------------------|---------------|---|------------------------|---------------|---|------------------------------|----------|---|---------------------|--------|---|---------------|-------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|-----------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|------------------------|---|---------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 5.4mi SE of Holt<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.663836, -86.676223<br><u>Land owner:</u> US Government- Eglin AFB   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24-19<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Rattlesnake Bluff Rd  | <u>State:</u> Florida                                     |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
|    |    | DS  |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| <b>Crossing Structure: US</b>   |  |   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>C</td><td>5</td></tr> <tr><td>DS Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Bank Alteration</td><td>NATURAL</td><td>5</td></tr> <tr><td>Upstream Skew Angle</td><td>&lt;5°</td><td>5</td></tr> <tr><td>Crossing fill condition</td><td>Fair/Riprap</td><td>3</td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>21-40 y³</td><td>3</td></tr> <tr><td>Approach Slope Mean</td><td>2.1-4%</td><td>3</td></tr> <tr><td>Soil K Factor</td><td>&lt;0.20</td><td>5</td></tr> <tr><td>Upstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Upstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Downstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Downstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Outlet Total</td><td>Improved Outlet System</td><td>5</td></tr> <tr><td>Ditches Total</td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>48</b></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score   | US Channel Morph | C | 5 | DS Channel Morph | E | 5 | DS Bank Alteration | NATURAL | 5 | Upstream Skew Angle | <5° | 5 | Crossing fill condition | Fair/Riprap | 3 | Inlet/Outlet Condition | No Impairment | 5 | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | 21-40 y³ | 3 | Approach Slope Mean | 2.1-4% | 3 | Soil K Factor | <0.20 | 5 | Upstream Rt Outlet | Vegetated | 1 | Upstream Lt Outlet | Vegetated | 1 | Upstream Rt Ditch | Bare soil | 0 | Upstream Lt Ditch | Bare soil | 0 | Downstream Rt Outlet | Vegetated | 1 | Downstream Lt Outlet | Vegetated | 1 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Improved Outlet System | 5 | Ditches Total | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor   | Ranking  | Score   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| US Channel Morph  | C  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| DS Channel Morph  | E  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| DS Bank Alteration  | NATURAL  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Upstream Skew Angle   | <5°  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Crossing fill condition   | Fair/Riprap  | 3   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Inlet/Outlet Condition  | No Impairment  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Road Approach Material  | All Sand/Clay  | 3   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Potential Eroded Volume Mean  | 21-40 y³   | 3   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Approach Slope Mean   | 2.1-4%   | 3   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Soil K Factor   | <0.20  | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Upstream Rt Outlet  | Vegetated  | 1   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Upstream Lt Outlet  | Vegetated  | 1   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Upstream Rt Ditch   | Bare soil  | 0   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Upstream Lt Ditch   | Bare soil  | 0   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Downstream Rt Outlet  | Vegetated  | 1   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Downstream Lt Outlet  | Vegetated  | 1   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Downstream Rt Ditch   | Bare soil  | 0   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Downstream Lt Ditch   | Bare soil  | 0   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Outlet Total  | Improved Outlet System   | 5   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| Ditches Total   | Unimproved Drainage System   | 1   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>   |   |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Reinforced Concrete<br><u>Soil Types:</u> 4,6,8,12,13,20,24,25<br><u>Rt Approach Prism Fill:</u> 2.0in<br><u>Lt Approach Prism Fill:</u> 2.0in  | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>Yes<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>1-3 FOCAL SPECIES IN UPLAND AREAS<br>N/A<br>INSTITUTIONAL/ N/A<br>N/A<br>N/A |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |             |   |                        |               |   |                        |               |   |                              |          |   |                     |        |   |               |       |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |           |   |                     |           |   |                     |           |   |              |                        |   |               |                            |   |                  |                 |           |   |  |

Notes: None.

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# Metts Creek

ok-0407-r-005

Sedimentation Risk Index  
**50**

Common: 4.2 mi S of Holt  
Drainage: Yellow River      GPS: 30.655936, -86.729417  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-25-22  
Parcel No.: 1  
Road Name: Rattlesnake Bluff Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>50</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 12,13,15  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 4-6 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ N/A                |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: None.

# Loon Branch

sr-0414-r-006

Sedimentation Risk Index  
**52**

Common: 6.3mi S of Harold  
Drainage: Boiling Creek GPS: 30.568467, -86.867492  
Land owner: US Government- Eglin AFB

County: Santa Rosa  
PLSS(T-R-S): 1N-26-29  
Parcel No.: 1  
Road Name: RR 211- Eglin AFB

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>52</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 7,21,23,34,40,46,47  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | Yes          | BLUENOSE SHINER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | PUBLIC/SEMI-PUBLIC/ NA            |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: None.

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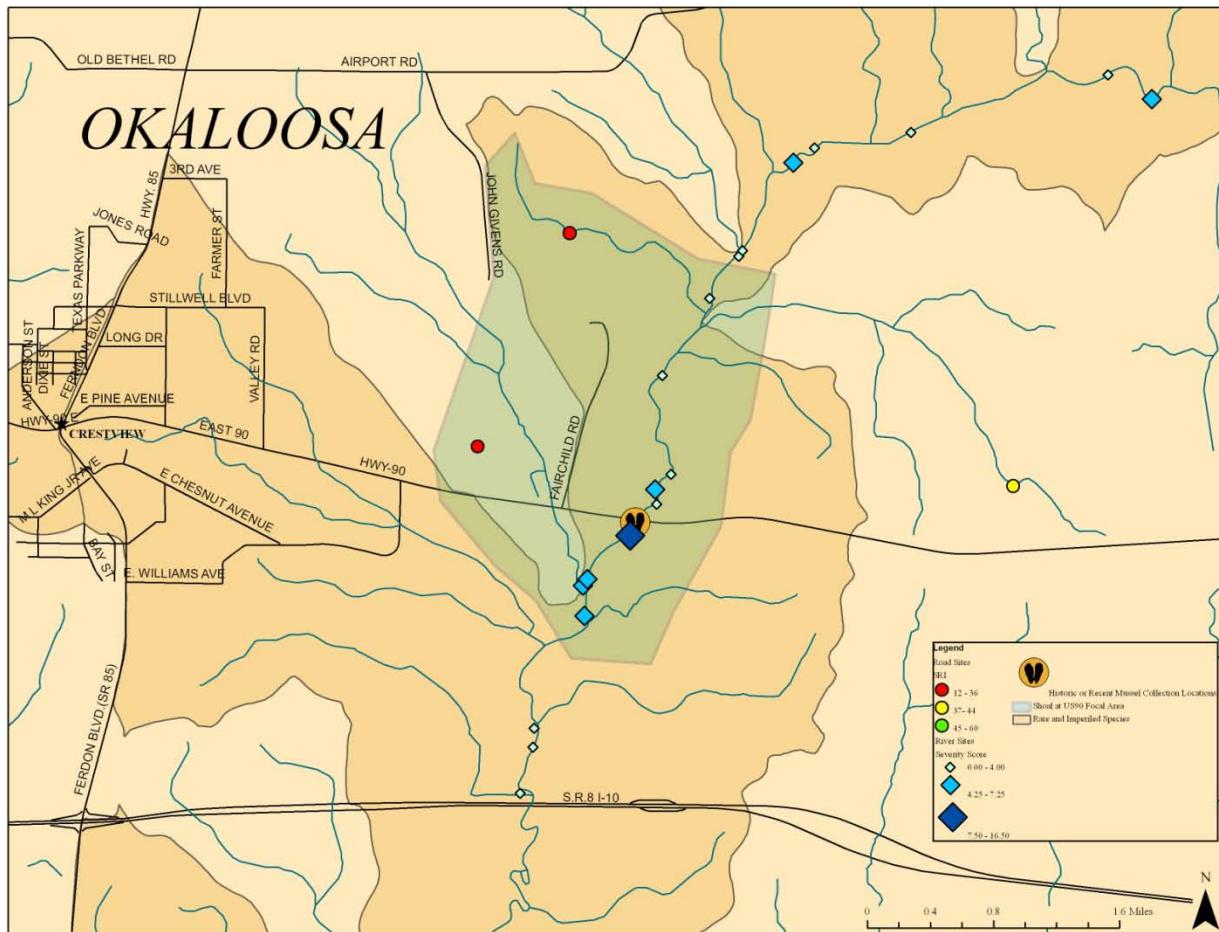


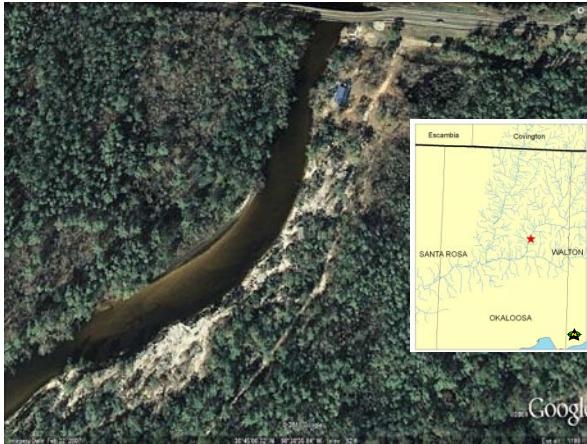
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Appendix I. Shoal River at US-90 Focal Area. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| <b>Shoal River</b>  | <b>ok-0423-001</b>  | <b>Severity Score<br/>11</b>                         |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|---|--|-------|--------------------------|------|-----|---------------------------|-------------|---|---------------------|--------------|-----|-------------|-------------------|---|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|---------|-----|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|--------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|------|----------------------------|-----------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|--|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 3.6mi E of Crestview, .01mi S of Hwy 90<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.751625588,-86.510107894<br><u>Land owner:</u> RB: G.W. McLean Jr. LB: E. Aycock Jr./ K. & W. Manring/R. W. Alter/ R. Ward & L. Weasley/ JRW Investments LLC  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-14<br><u>Parcel No.:</u> RB:2, LB:2.2/ 1.9/ 1.800/ 1.9001/ 2.2002 | <u>State:</u> Florida                                |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|    |                                       |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>RB</b>   |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Poor</td> <td>1.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Mass-wasting</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Extreme-Very High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td align="right"><b>River Threat Index:</b></td><td align="right"><b>11</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Mass-wasting | 1.5 | <i>BEHI</i> | Extreme-Very High | 1 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Present | 1.5 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> | <b>11</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER<br/>SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>NA/<br/>MDC-LOW DENSITY FIXED UNITS(FIXED&amp;MOBILE)</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td align="center" colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3"><i>Stream Channel Woody Material:</i> Numerous</td></tr> <tr> <td align="center" colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER<br>SPECKLED CHUB, IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | NA/<br>MDC-LOW DENSITY FIXED UNITS(FIXED&MOBILE) | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Numerous |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking   | Score  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Poor  | 1.5  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | In Recovery   | 1  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Mass-wasting  | 1.5  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Extreme-Very High   | 1  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | Obvious Sources   | 1.5  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Present   | 1.5  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Present   | 1.5  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present   | 0  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ft  | 0  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | None  | 0.75   |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>11</b>   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range  | Descriptive Field                                    |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>   | No  | N/A  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                    |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | Yes   | GOLDSTRIPE DARTER<br>SPECKLED CHUB, IRONCOLOR SHINER |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes   | NA/<br>MDC-LOW DENSITY FIXED UNITS(FIXED&MOBILE)     |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No  | N/A  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | No  | N/A  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Numerous  |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |   |  |       |                          |      |     |                           |             |   |                     |              |     |             |                   |   |                   |                 |     |                           |         |     |                       |         |     |                    |             |   |                             |             |   |                            |        |   |                            |         |      |                              |      |   |                              |      |      |                            |           |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Reach length is 2043 feet long. It is characterized by a lack of a riparian buffer on the right bank as seen on the aerial photo. Shoring structures used include rip rap and concrete. County road 90 bridge and a private boat launch is also located at this location. Houses located right on top of bank, some in disrepair/abandoned.

| <b>Shoal River</b>  | <b>ok-0423-003</b>   | <b>Severity Score<br/>7</b>                        |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
|---|--|--|-------|-------------------|------|---|--------------------|-------------|---|--------------|--------|---|------|------|---|------------|--------------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|------|-----------------------|---------|------|-----------------------|---------|------|----------------------------|----------|--|--|---------|--------------|-------------------|------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|--------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 3.5mi E of Crestview, Piney Woods Creek confluence<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.747224508, -86.515099394<br><u>Land owner:</u> RB: Purl G Adams Jr. / LB: George & Essie Mack  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-23<br><u>Parcel No.:</u> 1/ 1.0140 | <u>State:</u> Florida                              |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <br>RB   |        |  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Fair</td> <td>1</td> </tr> <tr> <td>Channel Alteration</td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>High</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>Moderate Potential</td> <td>1</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>7</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Fair | 1 | Channel Alteration | In Recovery | 1 | Bank Erosion | Active | 1 | BEHI | High | 1 | Local NPSP | Moderate Potential | 1 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 0-29 ft | 0.75 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> | <b>7</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303d</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>NA/ PINE FLATWOODS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand and Coarse Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | 303d | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | NA/ PINE FLATWOODS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Channel Stability   | Fair   | 1  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Channel Alteration  | In Recovery  | 1  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Bank Erosion  | Active   | 1  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| BEHI  | High   | 1  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Local NPSP  | Moderate Potential   | 1  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Shoring Structures  | Not Present  | 0  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 0-29 ft  | 0.75   |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 0-29 ft  | 0.75   |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Partial  | 0.25   |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Partial  | 0.25   |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>7</b>   |  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                                  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| 303d  | No   | N/A  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | NA/ PINE FLATWOODS                                 |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A  |       |                   |      |   |                    |             |   |              |        |   |      |      |   |            |                    |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |      |    |     |                 |     |                                   |                    |     |  |                 |     |                    |                   |    |     |               |    |     |  |

Notes: Residence on left bank across from site. Site adjacent to power line crossing and below Hwy 90. Dead mussels found at this site. Live corbicula also found.

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| <b>Shoal River</b>   | <b>ok-0423-004</b>   | <b>Severity Score<br/>6.5</b>  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
|--|--|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------------|-----|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|------|------------------------------|------|------|----------------------------|------------|--|---|---------------|-----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|-------------------------------|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 3.5mi SE of Crestview, 0.7mi DS of HWY 90 Bridge<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.744442, -86.514964<br><u>Land owner:</u> RB: Purl G Adams Jr./ George & Essie Mack   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-23<br><u>Parcel No.:</u> 1/ 1.0140 | <u>State:</u> Florida  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <br><b>LB</b>   |        |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Mass Wasting</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td align="right"><b>River Threat Index:</b></td><td colspan="2"><b>6.5</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass Wasting | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> | <b>6.5</b> |  | <p><b>Feature</b>      <b>Within Range</b>      <b>Descriptive Field</b></p> <table> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER,SPECKLED CHUB<br/>IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand and Roots     </p> | <b>303(d)</b> | Yes | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER,SPECKLED CHUB<br>IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | N/A/<br>STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Fair   | 1  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | Mass Wasting   | 1.5  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | High   | 1  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft  | 0.75   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 0-29 ft  | 0.75   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | None   | 0.75   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | None   | 0.75   |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   | <b>6.5</b>   |  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | Yes  | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER,SPECKLED CHUB<br>IRONCOLOR SHINER                                |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A/<br>STREAMS AND WATERWAYS  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No   | N/A  |       |                          |      |   |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |            |  |   |               |     |     |                        |     |                                   |                           |     |   |                        |     |                               |                          |    |     |                      |    |     |  |

Notes: Located along an area of the Shoal that lacks sinuosity

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| Shoal River  | ok-0616-008   | Severity Score<br>4.5                            |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
|--|---|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|----------|-----|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|---------|------|------------------------------|---------|------|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|----------------------------|--------------------------|-----|--------------------|----------------------|----|-----|---|
| <u>Common:</u> 3.5mi W of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.747795616, -86.514648498<br><u>Land owner:</u> George & Essie Mack- LB, Purl Adams Jr. -RB   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-23<br><u>Parcel No.:</u> 1.014; 1.0 | <u>State:</u> Florida                            |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <br>RB  |         |  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>4.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>4.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>Yes</td> <td>SOUTHERN SANDSHELL</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | N/A/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | Yes | SOUTHERN SANDSHELL | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Moderate<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Medium Sand<br><i>Bank Material:</i> Sand |
| Risk Factor  | Ranking   | Score  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Channel Stability</i>   | Fair  | 1  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Bank Erosion</i>  | Historic  | 0.5  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>BEHI</i>  | High  | 1  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Local NPSP</i>  | No Evidence   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>RB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>LB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>RB: Floodplain Access</i>   | Partial   | 0.25   |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25   |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>River Threat Index:</b>   | <b>4.5</b>  |  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| Feature  | Within Range  | Descriptive Field                                |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>Wetland Species</b>   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>Land Use/ Cover</b>   | Yes   | N/A/ STREAMS AND WATERWAYS                       |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>Candidate Mussels</b>   | Yes   | SOUTHERN SANDSHELL                               |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |         |      |                              |         |      |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                            |                          |     |                    |                      |    |     |   |

Notes: Power line at site. Power lines lack any sort of buffer or fill. Shallow area of the Shoal.

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| Shoal River   | ok-0616-006  | Severity Score<br>4.5                              |
|---|--|--|
| <u>Common:</u> 3.8mi E of Crestview<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Rita Chimiak | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-13<br><u>Parcel No.:</u> 1   | <u>State:</u> Florida                              |
| <br>RB                 |  |  |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>                                       |
| <i>Channel Stability</i>  | Poor   | 1.5  |
| <i>Channel Alteration</i>   | None   | 0  |
| <i>Bank Erosion</i>   | Mass Wasting   | 1.5  |
| <i>BEHI</i>   | High   | 1  |
| <i>Local NPSP</i>   | No Evidence  | 0  |
| <i>Shoring Structures</i>   | Not Present  | 0  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |
| <i>Water Odors</i>  | Not Present  | 0  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |
| <i>LB: Riparian Buffer</i>  | 100 + ft   | 0  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25   |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25   |
| <b>River Threat Index:</b>  |  | <b>4.5</b>   |
| <b>Feature</b> <b>Within Range</b> <b>Descriptive Field</b>   |  |  |
| <b>303(d)</b>   | No   | N/A  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <b>Rare and Imperiled</b>   | Yes  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |
| <b>Land Use/ Cover</b>  | Yes  | N/A/ STREAMS AND WATERWAYS                         |
| <b>Candidate Mussels</b>  | Yes  | SOUTHERN SANDSHELL                                 |
| <b>Sturgeon C.H.</b>  | No   | N/A  |
| <b>Additional Site Features</b>   |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |  |
| <i>Impoundments:</i> None   |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |  |

Notes: Foot path along top of bank for public access to sand bars.

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| Shoal River  | ok-0616-005  | Severity Score<br>2.5                              |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
|--|--|--|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|----------|-----|------------|--------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|---------|------|-----------------------|---------|------|----------------------------|------------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|-------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 3.9mi E of Crestview<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Rita Chimiak  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-23W-11<br><u>Parcel No.:</u> 2          | <u>State:</u> Florida                              |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <br>RB  |  |  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>Slight</td> <td>0.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Historic | 0.5 | BEHI | Moderate | 0.5 | Local NPSP | Slight | 0.5 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Moderate<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | N/A/<br>STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking  | Score  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Channel Stability  | Good   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Channel Alteration   | None   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Bank Erosion   | Historic   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| BEHI   | Moderate   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Local NPSP   | Slight   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Shoring Structures   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Pipe Discharge   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Water Odors  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Fish Passage Barrier   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| RB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| LB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| RB: Floodplain Access  | Partial  | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| LB: Floodplain Access  | Partial  | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>   | <b>2.5</b>   |  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field                                  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A/<br>STREAMS AND WATERWAYS                      |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |            |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |

Notes: Aggradational site: Some localized deposition along top of low bank. Moderate number of deep pools.  
 Erosion opposite depositional sites. Public access for recreation, trail leading to RB. OFW

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| Shoal River   | ok-0616-007  | Severity Score<br>3   |  |              |  |
|---|--|-----------------------|--|--------------|--|
| <u>Common:</u> 3.8mi E of Crestview<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Rita Chimiak | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-13<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida |  |              |  |
|                        |  |                       |  |              |  |
|                       |  |                       |  |              |  |
| Risk Factor   | Ranking  | Score                 | Feature  | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair   | 1                     | 303(d)   | No           | N/A  |
| <i>Channel Alteration</i>   | Not Eroding  | 0                     | Wetland Species                                | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <i>Bank Erosion</i>   | Historic   | 0.5                   | Rare and Imperiled                             | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High   | 1                     | Land Use/ Cover                                | Yes          | N/A/ STREAMS AND WATERWAYS                         |
| <i>Local NPSP</i>   | Slight   | 0.5                   | Candidate Mussels                              | Yes          | SOUTHERN SANDSHELL                                 |
| <i>Shoring Structures</i>   | Not Present  | 0                     | Sturgeon C.H.                                  | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     | <b>Additional Site Features</b>                |              |  |
| <i>Water Odors</i>  | Not Present  | 0                     | <i>Stream Channel Woody Material:</i> Moderate |              |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     | <i>Impoundments:</i> None                      |              |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     | <i>Substrate Composition:</i> Medium Sand      |              |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     | <i>Bank Material:</i> Sand                     |              |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |  |              |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |  |              |  |
| <b>River Threat Index:</b> 3  |  |                       |  |              |  |

Notes: Public swimming area, trail leading from boat launch at CR 90. OFW

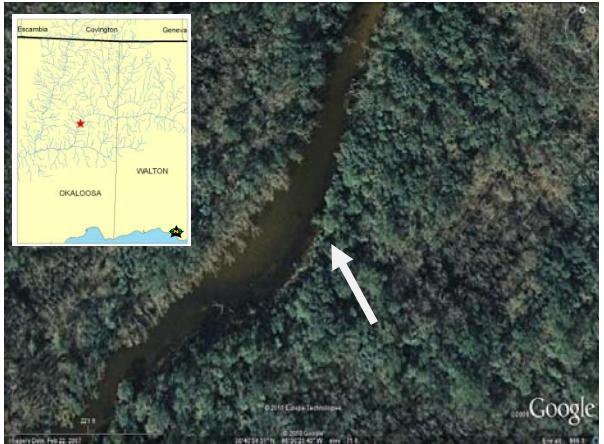
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| Shoal River   |   | ok-0616-004             | Severity Score<br>2.5  |
|---|---|-------------------------|--|
| <u>Common:</u> 3.8mi E of Crestview   | <u>GPS:</u> 30.766514202, -86.506551301 | <u>County:</u> Okaloosa | <u>State:</u> Florida  |
| <u>Drainage:</u> Yellow River   |   | <u>PLSS:</u> 3N-23W-12  |  |
| <u>Land owner:</u> Rita Chimiak   |   | <u>Parcel No.:</u> 2    |  |
|  <p>LB</p> |   |                         |  |
| Risk Factor   | Ranking                                 | Score                   | Feature<br>Within Range<br>Descriptive Field                                       |
| <i>Channel Stability</i>  | Fair                                    | 1                       | 303(d) No N/A  |
| <i>Channel Alteration</i>   | None                                    | 0                       | Wetland Species Yes 1-3 FOCAL SPECIES IN UPLAND AREAS                              |
| <i>Bank Erosion</i>   | Historic                                | 0.5                     | Rare and Imperiled Yes GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB          |
| <i>BEHI</i>   | Moderate                                | 0.5                     | Land Use/ Cover Yes N/A/ STREAMS AND WATERWAYS                                     |
| <i>Local NPSP</i>   | No Evidence                             | 0                       | Candidate Mussels No N/A   |
| <i>Shoring Structures</i>   | Not Present                             | 0                       | Sturgeon C.H. No N/A   |
| <i>Pipe Discharge</i>   | Not Present                             | 0                       |  |
| <i>Water Odors</i>  | Not Present                             | 0                       |  |
| <i>Fish Passage Barrier</i>   | Not Present                             | 0                       |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft                                 | 0                       |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft                                 | 0                       |  |
| <i>RB: Floodplain Access</i>  | Partial                                 | 0.25                    | <b>Additional Site Features</b>  |
| <i>LB: Floodplain Access</i>  | Partial                                 | 0.25                    | <i>Stream Channel Woody Material:</i> Moderate                                     |
| <b>River Threat Index:</b> 2.5  |   |                         | <i>Impoundments:</i> None  |
|   |   |                         | <i>Substrate Composition:</i> Medium Sand  |
|   |   |                         | <i>Bank Material:</i> Sand   |

Notes: Lt bank evidence of clear cutting from aerial beyond buffer. OFW

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| Shoal River   | ok-0616-003  | Severity Score<br>2                                |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
|---|--|--|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|---------|------|-----------------------|---------|------|----------------------------|----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|-------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 4.2mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.7736074, -86.501451979<br><u>Land owner:</u> Rita Chimiak  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-23W-12<br><u>Parcel No.:</u> 2          | <u>State:</u> Florida                              |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <br>RB   |  |  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Historic | 0.5 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | N/A/<br>STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Channel Stability   | Good   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Channel Alteration  | None   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Bank Erosion  | Historic   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| BEHI  | Moderate   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Local NPSP  | No Evidence  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Shoring Structures  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Partial  | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Partial  | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>2</b>   |  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                                  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | N/A/<br>STREAMS AND WATERWAYS                      |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |         |      |                       |         |      |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                               |                   |    |     |               |    |     |  |

Notes: Unpaved road paralleling river 0.1mi E. OFW.

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## Moccasin Branch

ok-1005-r-001

Sedimentation Risk Index  
**24**

Common: 3.4mi NE of Crestview  
Drainage: Shoal River GPS: 30.779656684, -86.516359725  
Land owner: BCC (Board of County Commissioners); Okaloosa Airport Authority

County: Okaloosa  
PLSS(T-R-S): 3N-23-11  
Parcel No.: 3; 9  
Road Name: Fairchild Rd

State: Florida



Crossing Structure: DS



DS



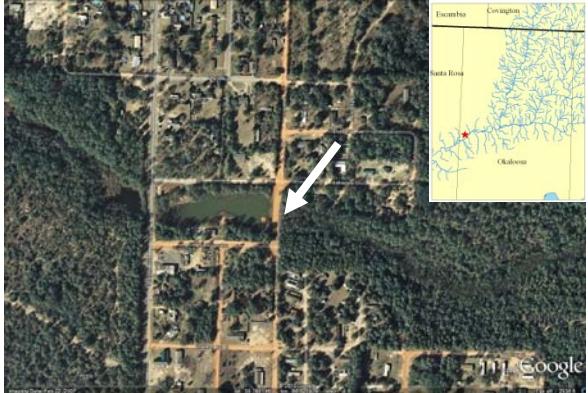
| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>24</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 12, 13, 37, 43  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| Rare and Imperiled | Yes          | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | NA/ CYPRESS  |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Excessive sediment loading and erosion coming from the road and outlets. Fence across US channel.

| Unnamed tributary   | ok-1005-r-004   | Sedimentation Risk Index<br><b>30</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
|---|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|
| <u>Common:</u> 3mi E of Crestview<br><u>Drainage:</u> Piney Woods Creek <u>GPS:</u> 30.760026254, -86.526285872<br><u>Land owner:</u> BCC-US, John & Cynthia Price-DS North, David & Carolyn McMillian DS South   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23-15<br><u>Parcel No.:</u> 1.0310, 49, 39<br><u>Road Name:</u> Hare Rd | <u>State:</u> Florida  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
|    |   |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Crossing Structure: US  |   | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td>1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>D</td> <td>1</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>21-40 y³</td> <td>3</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>High Risk</b></td> <td><b>30</b></td> </tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | PONDED | 1  | <i>DS Channel Morph</i> | D               | 1  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>              | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>30</b> |  |
| Risk Factor   | Ranking   | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>US Channel Morph</i>   | PONDED  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>DS Channel Morph</i>   | D   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <b>SRI Total</b>  | <b>High Risk</b>  | <b>30</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 6,12,13<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in       </p>  |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PUBLIC/SEMI-PUBLIC/<br/>WETLAND FOREST MIXED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | PUBLIC/SEMI-PUBLIC/<br>WETLAND FOREST MIXED | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| 303(d)  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Wetland Species   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Rare and Imperiled  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Land Use/ Cover   | Yes   | PUBLIC/SEMI-PUBLIC/<br>WETLAND FOREST MIXED  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Candidate Mussels   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |

Notes: DS drop off. US RT outlet contributing excessive sedimentation, also seen in aerial photo.

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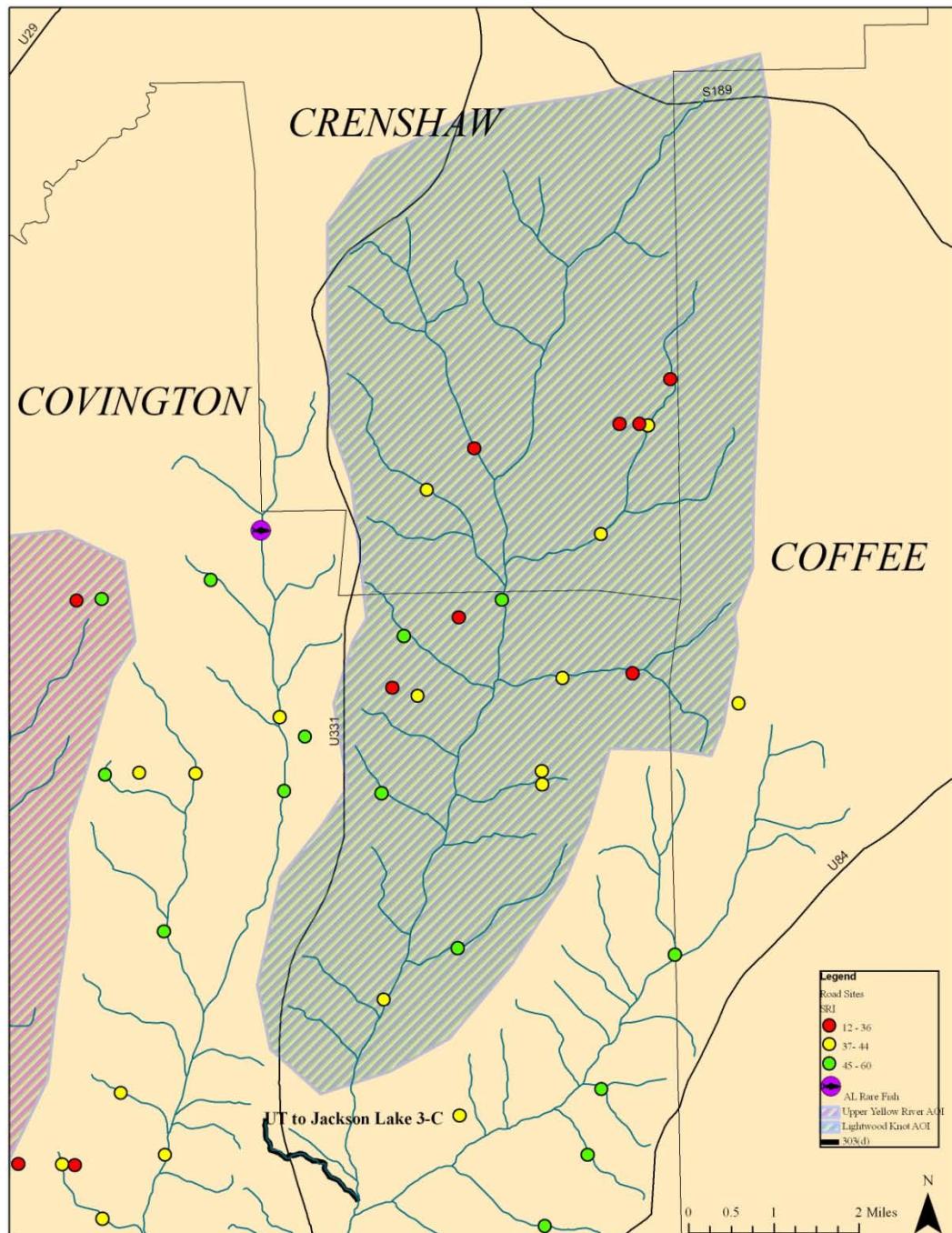


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Appendix J. Lightwood Knot Area of Interest. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



# Blaze Branch

cr-1103-r-002

Sedimentation Risk Index  
**26**

Common: .56mi NW of Pine Level  
Drainage: Lightwood Knot    GPS: 31.477386178,-86.195855819  
Land owner: Mildred Bozema

County: Crenshaw  
PLSS (T-R-S): 6N-18E-24  
Parcel No.: 3  
Road Name: Community Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>26</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: Cf: 2,30,3 /Cr: Bba,Nse,TaB,Tac  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                         |
|--------------------|--------------|---|
| 303(d)             | No           | N/A                                       |
| Wetland Species    | No           | N/A                                       |
| Rare and Imperiled | No           | N/A                                       |
| Land Use/ Cover    | Yes          | N/A/ SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT) |
| Candidate Mussels  | No           | N/A                                       |
| Sturgeon C.H.      | No           | N/A                                       |

Notes: Impounded upstream, high DS bank alteration. Bare ditches and outlets also influencing score.

# Blaze Branch

cr-1103-r-004

Sedimentation Risk Index  
**34**

Common: 1.0mi SW of Pine Level  
Drainage: Lightwood Knot GPS: 31.469813150,-86.202034694  
Land owner: Heath Kilcrease -US, Robert Jr. Kilcrease -DS

County: Crenshaw  
PLSS (T-R-S): 6N-18E-24/25  
Parcel No.: 8,1  
Road Name: Kilcrease Rd

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert ,1  
Crossing Materials: Metal  
Soil Types: BbA,NsE,OrB,OrC,TaB  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field                         |
|--------------------|--------------|---|
| 303(d)             | No           | N/A                                       |
| Wetland Species    | No           | N/A                                       |
| Rare and Imperiled | No           | N/A                                       |
| Land Use/ Cover    | Yes          | N/A/ SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT) |
| Candidate Mussels  | No           | N/A                                       |
| Sturgeon C.H.      | No           | N/A                                       |

Notes: Bare ditches and outlets influencing score. First order tributary.

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## Unnamed tributary

co-1102-r-014

Sedimentation Risk Index

**36**

Common: 3.9mi E of Five Points  
Drainage: Lightwood Knot GPS: 31.437050631,-86.238183603  
Land owner: Patricia Armstead

County: Covington State: Alabama  
PLSS (T-R-S): 5N-18E-3  
Parcel No.: 8  
Road Name: Bell Crossing Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,1

Crossing Materials: Metal

Soil Types: FuB,OrB,OrC,TrD

Rt Approach Prism Fill: 0.25in

Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Pond US, not visible from road. Bare soil ditches and outlets influencing score.

# Mill Creek

co-1103-r-007

Sedimentation Risk Index  
**36**

Common: 2.36mi NW of Danleys Crossing  
Drainage: Lightwood Knot GPS: 31.4273,-86.20377  
Land owner: D&L M -US, Wilene Holmes -DS

County: Covington State: Alabama  
PLSS (T-R-S): 5N-18E-1  
Parcel No.: 5.06, 5.01  
Road Name: Cauley Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | F                                | 1         |
| <i>DS Channel Morph</i>             | F                                | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Concrete                         | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Rein. Concrete  
Soil Types: MBA, OrB, OrC, TrB, TrD  
Rt Approach Prism Fill: 0.20in  
Lt Approach Prism Fill: 0.10in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None.

## Unnamed Tributary

co-1104-r-003

Sedimentation Risk Index  
**36**

Common: 3.0mi NW of Friendship  
Drainage: Lightwood Knot GPS: 31.425128352,-86.251514223  
Land owner: Collis Eaton-US, Qunion Kelley-DS

County: Covington  
PLSS (T-R-S): 5N-18E-4  
Parcel No.: 15.02,1  
Road Name: Weaver Place

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: MBA, OrB, OrC, TrB, TrD  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 0.15in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

## Parker Creek

cr-1102-r-011

Sedimentation Risk Index  
36

Common: 2.9mi SW of Pine Level  
Drainage: Lightwood Knot    GPS: 31.465826148,-86.234935448  
Land owner: Rayonier Woodlands LLC c/o Darlene Edmondson

County: Crenshaw  
PLSS (T-R-S): 6N-18E-27  
Parcel No.: 1  
Road Name: Parker Creek Rd

State: Alabama



Crossing Structure: US



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y <sup>3</sup>               | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: BbA,LcB,NsE,TaB  
Rt Approach Prism Fill: 0.50in  
Lt Approach Prism Fill: 0.50in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/ EAST GULF COASTAL PLAIN<br>SMAILL STREAM AND RIVER<br>FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Bare ditches and outlets, high slopes and sediment input influencing score.

# Blaze Branch

cr-1103-r-005

Sedimentation Risk Index  
**36**

Common: 1.2mi SW of Pine Level  
Drainage: Lightwood Knot GPS: 31.469551544, -86.205979180  
Land owner: Robert Beach -US, G.A. Lindsey -DS

County: Crenshaw  
PLSS (T-R-S): 6N-18E-25  
Parcel No.: 2.001,3  
Road Name: Kilcrease Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | A                          | 5         |
| <i>DS Channel Morph</i>             | B                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Reinforced Concrete  
Soil Types: LcB,NsE,OrB,SpD2,TaB  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Eroding slope Lt approach. Blocked culverts from bare soil and ditches influencing score.

## Unnamed tributary

co-1103-r-009

Sedimentation Risk Index  
**38**

Common: 1.0mi NW of Friendship  
Drainage: Lightwood Knot GPS: 31.410757692,-86.221951825  
Land owner: Miriam Barlow East, James & Dorothy Birge West

County: Covington  
PLSS (T-R-S): 5N-18E-14  
Parcel No.: 1,2  
Road Name: Barlow Rd

State: Alabama



Crossing Structure: US



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>38</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: MBA, OrC, OrE, TrD  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB/SCRUB (OTHER) |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: Bare fill, mostly bare ditches and outlets influencing score.

| Unnamed tributary  | co-1104-r-004   | Sedimentation Risk Index<br><b>38</b>  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|--|---|--|--------------|-------------------------|---------------|----|-------------------------|------------------------|----|---------------------------|---------------------------|----|----------------------------|------------------------|-----|--------------------------------|--------------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 2.8mi NW of Friendship<br><u>Drainage:</u> Lightwood Knot <u>GPS:</u> 31.423688286,-86.246453020<br><u>Land owner:</u> Johnny & Barbara Donaldson   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 5N-18E-5<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Weaver Place   | <u>State:</u> Alabama  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|  |   |  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|   |   |  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   |   | DS   |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
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| Risk Factor  | Ranking   | Score  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | DA  | 3  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | DA  | 3  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Blocked   | 1  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%   | 5  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Unimproved Outlet System  | 1  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>38</b>  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Culvert,2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> MBA,Orc,TrB,TrD<br/> <u>Rt Approach Prism Fill:</u> 0.10in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/<br/>ROW CROP</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | <b>303(d)</b> | No | N/A                     | <b>Wetland Species</b> | No | N/A                       | <b>Rare and Imperiled</b> | No | N/A                        | <b>Land Use/ Cover</b> | Yes | N/A/<br>ROW CROP               | <b>Candidate Mussels</b> | No | N/A                           | <b>Sturgeon C.H.</b> | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Feature  | Within Range  | Descriptive Field  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>303(d)</b>  | No  | N/A  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Wetland Species</b>   | No  | N/A  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Rare and Imperiled</b>  | No  | N/A  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A/<br>ROW CROP   |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Candidate Mussels</b>   | No  | N/A  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |              |                         |               |    |                         |                        |    |                           |                           |    |                            |                        |     |                                |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |

Notes: Rip rap in channel causing partial fish passage barrier. Draining into DS impoundment 0.25mi East.

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## Blaze Branch

cr-1103-r-003

Sedimentation Risk Index  
**38**

Common: .92mi SW of Pine Level  
Drainage: Lightwood Knot GPS: 31.469495863,-86.2003131158  
Land owner: Bryan Hubery Ray Jr & William Payne -US, Robert Jr. Kilcrease -DS

County: Crenshaw State: Alabama  
PLSS (T-R-S): 6N-18E-25  
Parcel No.: 1.01, 1  
Road Name: Kilcrease Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                            | 1         |
| <i>Upstream Rt Ditch</i>            | Rip Rap                            | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Rip Rap                            | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>38</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: BbA,NsE,OrB,OrC,TaB  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field                                    |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/Cover     | Yes          | N/A SUCCESSIONAL SHRUB/SCRUB(CLEAR CUT), PASTURE/HAY |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: High sediment loading from DS outlets.

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| Unnamed tributary   | cf-1103-r-008  | Sedimentation Risk Index<br><b>40</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
|---|--|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-------------------|----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|
| <u>Common:</u> 1.0mi NE of Danleys Crossroads<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.42209700,-86.182725070<br><u>Land owner:</u> G.A. Lindsey   | <u>County:</u> Coffee<br><u>PLSS (T-R-S):</u> 5N-19-07<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> CR 374 | <u>State:</u> Alabama  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
|    |  |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <b>Crossing Structure: DS</b>   |  |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>21-40 y³</td><td>3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>0.21-0.40</td><td>3</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>44</b></td></tr> </tbody> </table> |  | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°               | 5  | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |
| Risk Factor   | Ranking  | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>US Channel Morph</i>   | DA   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>DS Channel Morph</i>   | C  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Culvert,2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 7,8,21,22<br/> <u>Rt Approach Prism Fill:</u> 0.15in<br/> <u>Lt Approach Prism Fill:</u> 0.15in</p>   |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon Spawning</td><td>No</td><td>N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Sturgeon Spawning | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Feature   | Within Range   | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| 303(d)  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Wetland Species   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Rare and Imperiled  | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Sturgeon Spawning   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Candidate Mussels   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |
| Sturgeon C.H.   | No   | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                   |    |                                |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |  |

Notes: Garbage DS; culverts coming from 2 different angles US.

Restoration Recommendations: TBD

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## Unnamed tributary

co-1103-r-010

Sedimentation Risk Index  
**40**

Common: 1.0mi NW of Friendship  
Drainage: Lightwood Knot GPS: 31.408498105,-86.221840842  
Land owner: Miriam Barlow East, James & Dorothy BirgeWest

County: Covington  
PLSS (T-R-S): 5N-18E-14  
Parcel No.: 1,2  
Road Name: Barlow Rd

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: MBA,OrB,OrC,OrE,,TrB,TrD  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.75in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Sturgeon Spawning  | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Mostly bare ditches and outlets, bank alteration influencing score.

# Mill Creek

co-1103-r-011

Sedimentation Risk Index  
**40**

Common: 1.71mi NW of Friendship  
Drainage: Lightwood Knot GPS: 31.426644644,-86.217687921  
Land owner: Levon Pitts

County: Covington  
PLSS (T-R-S): 5N-18E-2  
Parcel No.: 8  
Road Name: Fox Den Rd

State: Alabama



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Bridge,1            |
| <u>Crossing Materials:</u>         | Reinforced Concrete |
| <u>Soil Types:</u>                 | MBA,OrE,TrB,TrD     |
| <u>Rt Approach Prism Fill:</u>     | 0.25in              |
| <u>Lt Approach Prism Fill:</u>     | 0.25in              |

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Sturgeon Spawning  | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None

# Pigpen Creek

cr-1102-r-012

Sedimentation Risk Index  
**42**

Common: 3.6mi SW of Pine Level  
Drainage: Yellow River      GPS: 31.458812845,-86.244201161  
Land owner: Doris Mitchell Halacker

County: Crenshaw  
PLSS (T-R-S): 6N-18E-28  
Parcel No.: 9  
Road Name: Settlement Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                            | 1         |
| <i>Upstream Rt Ditch</i>            | Rip Rap                            | 1         |
| <i>Upstream Lt Ditch</i>            | Rip Rap                            | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Rip Rap                            | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: BbA,DoB,NsE,OrB,TaB  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/Cover     | Yes          | N/A/<br>SUCCESSIONAL SHRUB/SCRUB (OTHER) |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: None

# Lightwood Knot Creek

co-1103-r-018

Sedimentation Risk Index

**44**

Common: 3.5mi SW of Friendship  
Drainage: Yellow River GPS: 31.372027985,-86.253615927  
Land owner: Emily Carr -US, James Carr -DS

County: Covington  
PLSS (T-R-S): 5N-18E-28  
Parcel No.: 1.04, 1  
Road Name: Union Grove Rd

State: Alabama



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: BbA, TaC  
Rt Approach Prism Fill: 0.05in  
Lt Approach Prism Fill: 0.05in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None

## Blaze Branch

cr-1103-r-006

Sedimentation Risk Index  
**44**

Common: 2.18mi SW of Pine Level  
Drainage: Lightwood Knot GPS: 31.451029824,-86.209858693  
Land owner: John E Bozeman

County: Crenshaw  
PLSS (T-R-S): 6N-18E-36  
Parcel No.: 3  
Road Name: Morgan Mill Creek Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: BbA,NsE,TaB  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/ PASTURE/HAY, EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Well vegetated buffers. Bare ditches influencing score, with moderate erodible soils.

# Jolly Creek

co-1102-r-015

Sedimentation Risk Index  
**46**

Common: 3.2mi SE of Five Points  
Drainage: Lightwood Knot GPS: 31.433975, -86.249119  
Land owner: B & N Kilpatrick

County: Covington  
PLSS (T-R-S): 5N-18E-4  
Parcel No.: 2  
Road Name: Bell Crossing Rd



Crossing Structure: DS



US



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Sturgeon Spawning  | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: FuB,LuB,MBA,OrB,OrC,OrE,TrD  
Rt Approach Prism Fill: 0.10in  
Lt Approach Prism Fill: 0.10in

Notes: Loaded with clay.

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| Unnamed tributary   |                                  | co-1104-r-002  | Sedimentation Risk Index<br><b>46</b> |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|---|----------------------------------|--|---------------------------------------|-------------|--------------|-------------------|--------|-------------------------|-----|-----------------|----|-------------------------|--------------------|----|-----|---------------------------|---------------|------------------------------|-------------------|----------------------------|-----|---------------|----|--------------------------------|--------------|---|--|-------------------------------|---------------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|--------|---|--|----------------------|-------|---|--|---------------------------|-----------|---|--|---------------------------|-----------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|-----------|---|--|----------------------------|-----------|---|--|---------------------|----------------------------------|---|--|----------------------|----------------------------|---|--|------------------|-----------------|-----------|--|
| <u>Common:</u> 2.8mi NW of Friendship   | <u>County:</u> Covington         | <u>State:</u> Alabama  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <u>Drainage:</u> Lightwood Knot <u>GPS:</u> 31.407215305,-86.253754894  | <u>PLSS (T-R-S):</u> 5N-18E-16   |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <u>Land owner:</u> Hillary Brannen & Nancy Chalker  | <u>Parcel No.:</u> 1             |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|   | <u>Road Name:</u> HDC Rd         |  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
|    |                                  |    |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Crossing Structure: DS  |                                  | DS   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr> <td><i>DS Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td><td></td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td><td></td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td><td></td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td></td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td></td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td><td></td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td><td></td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td><td></td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td><td></td></tr> </tbody> </table> |                                  |  |                                       | Risk Factor | Ranking      | Score             |        | <i>US Channel Morph</i> | E   | 5               |    | <i>DS Channel Morph</i> | E                  | 5  |     | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3                            |                   | <i>Upstream Skew Angle</i> | <5° | 5             |    | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  | <i>Approach Slope Mean</i> | 2.1-4% | 3 |  | <i>Soil K Factor</i> | <0.20 | 5 |  | <i>Upstream Rt Outlet</i> | Vegetated | 1 |  | <i>Upstream Lt Outlet</i> | Vegetated | 1 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  | <i>Downstream Rt Outlet</i> | Bare soil | 0 |  | <i>Downstream Lt Outlet</i> | Bare soil | 0 |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <i>Outlet Total</i> | Partially Improved Outlet System | 3 |  | <i>Ditches Total</i> | Unimproved Drainage System | 1 |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |
| Risk Factor   | Ranking                          | Score  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>US Channel Morph</i>   | E                                | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>DS Channel Morph</i>   | E                                | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                    | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Skew Angle</i>  | <5°                              | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap                     | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                    | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Road Approach Material</i>   | All Sand/Clay                    | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                           | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Approach Slope Mean</i>  | 2.1-4%                           | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Soil K Factor</i>  | <0.20                            | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Rt Outlet</i>   | Vegetated                        | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Lt Outlet</i>   | Vegetated                        | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Rt Outlet</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Lt Outlet</i>   | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                        | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <i>Ditches Total</i>  | Unimproved Drainage System       | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <b>SRI Total</b>  | <b>Low Risk</b>                  | <b>46</b>  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge,1<br><u>Crossing Materials:</u> Reinforced Concrete<br><u>Soil Types:</u> CdC,DmB,LuB,MBA,OrC,OrE,TrD<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.25in  |                                  | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | No | N/A                     | Rare and Imperiled | No | N/A | Land Use/ Cover           | Yes           | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No                         | N/A | Sturgeon C.H. | No | N/A                            |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Feature   | Within Range                     | Descriptive Field  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| 303(d)  | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Wetland Species   | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Rare and Imperiled  | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Land Use/ Cover   | Yes                              | N/A/<br>DEVELOPED OPEN SPACE   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Candidate Mussels   | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |
| Sturgeon C.H.   | No                               | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |                              |                   |                            |     |               |    |                                |              |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                 |           |  |

Notes: Rip rap in downstream creating partial fish passage barrier.

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| Unnamed tributary  |   | co-1104-r-001  | Sedimentation Risk Index<br><b>48</b> |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
|--|---|--|---------------------------------------|--|----------|----------------|---------------------|--------------------------|----------------------------|---------------------|--------|------------------|-----|--------------------|---------------------|--------------------|---------------|-----|--------------------------------|---------------------|--------------------|----|-----|--------------------------------|----------------|-----------------|-----|--|---------------|---|-------------------|------------------------|---------------|---|--|------------------------------|----------|-----|--|---------------------|--------|---|--|---------------|-------|---|--|--------------------|-----------|---|--|--------------------|-----------|---|--|-------------------|-----------|---|--|-------------------|-----------|---|--|----------------------|-----------|---|--|----------------------|-----------|---|--|---------------------|-----------|---|--|---------------------|-----------|---|--|--------------|------------------------|---|--|---------------|------------------------------------|---|--|------------------|-----------------|-----------|--|
| <u>Common:</u> 2.5mi SW of Friendship  |   | <u>County:</u> Covington   | <u>State:</u> Alabama                 |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Drainage:</u> Lightwood Knot  | <u>GPS:</u> 31.380717333, -86.238880743 | <u>PLSS (T-R-S):</u> 5N-18E-27   |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Land owner:</u> Edward & Janie Clark  |   | <u>Parcel No.:</u> 3   |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
|  |   | <u>Road Name:</u> Old Boggy Rd   |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
|   |   |  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Crossing Structure: DS   |   | DS   |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>DA</td><td>3</td><td></td></tr> <tr><td>DS Channel Morph</td><td>C</td><td>5</td><td></td></tr> <tr><td>DS Bank Alteration</td><td>MINOR/PARTIAL</td><td>3</td><td></td></tr> <tr><td>Upstream Skew Angle</td><td>&lt;5°</td><td>5</td><td></td></tr> <tr><td>Crossing fill condition</td><td>Good/Vegetated</td><td>5</td><td></td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td><td></td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr><td>Potential Eroded Volume Mean</td><td>21-40 y³</td><td>3</td><td></td></tr> <tr><td>Approach Slope Mean</td><td>2.1-4%</td><td>3</td><td></td></tr> <tr><td>Soil K Factor</td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr><td>Upstream Rt Outlet</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Upstream Rt Ditch</td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td>Upstream Lt Ditch</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Downstream Rt Outlet</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Downstream Lt Outlet</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Downstream Rt Ditch</td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td>Outlet Total</td><td>Improved Outlet System</td><td>5</td><td></td></tr> <tr><td>Ditches Total</td><td>Partially Improved Drainage System</td><td>3</td><td></td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>48</b></td><td></td></tr> </tbody> </table> |   |  |                                       | Risk Factor  | Ranking  | Score          |                     | US Channel Morph         | DA                         | 3                   |        | DS Channel Morph | C   | 5                  |                     | DS Bank Alteration | MINOR/PARTIAL | 3   |                                | Upstream Skew Angle | <5°                | 5  |     | Crossing fill condition        | Good/Vegetated | 5               |     | Inlet/Outlet Condition   | No Impairment | 5 |                   | Road Approach Material | All Sand/Clay | 3 |  | Potential Eroded Volume Mean | 21-40 y³ | 3   |  | Approach Slope Mean | 2.1-4% | 3 |  | Soil K Factor | <0.20 | 5 |  | Upstream Rt Outlet | Vegetated | 1 |  | Upstream Lt Outlet | Vegetated | 1 |  | Upstream Rt Ditch | Bare soil | 0 |  | Upstream Lt Ditch | Vegetated | 1 |  | Downstream Rt Outlet | Vegetated | 1 |  | Downstream Lt Outlet | Vegetated | 1 |  | Downstream Rt Ditch | Vegetated | 1 |  | Downstream Lt Ditch | Bare soil | 0 |  | Outlet Total | Improved Outlet System | 5 |  | Ditches Total | Partially Improved Drainage System | 3 |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |
| Risk Factor  | Ranking                                 | Score  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| US Channel Morph   | DA                                      | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| DS Channel Morph   | C                                       | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| DS Bank Alteration   | MINOR/PARTIAL                           | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Upstream Skew Angle  | <5°                                     | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Crossing fill condition  | Good/Vegetated                          | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Inlet/Outlet Condition   | No Impairment                           | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Road Approach Material   | All Sand/Clay                           | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Potential Eroded Volume Mean   | 21-40 y³                                | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Approach Slope Mean  | 2.1-4%                                  | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Soil K Factor  | <0.20                                   | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Upstream Rt Outlet   | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Upstream Lt Outlet   | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Upstream Rt Ditch  | Bare soil                               | 0  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Upstream Lt Ditch  | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Downstream Rt Outlet   | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Downstream Lt Outlet   | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Downstream Rt Ditch  | Vegetated                               | 1  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Downstream Lt Ditch  | Bare soil                               | 0  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Outlet Total   | Improved Outlet System                  | 5  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| Ditches Total  | Partially Improved Drainage System      | 3  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <b>SRI Total</b>   | <b>Low Risk</b>                         | <b>48</b>  |                                       |  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <b>Additional Site Features</b> <table> <tbody> <tr><td><u>Crossing Type and Quantity:</u></td><td>Bridge,1</td><td><b>Feature</b></td><td><b>Within Range</b></td><td><b>Descriptive Field</b></td></tr> <tr><td><u>Crossing Materials:</u></td><td>Reinforced Concrete</td><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td><u>Soil Types:</u></td><td>MBA,OrB,OrE,TrB,TrD</td><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td><u>Rt Approach Prism Fill:</u></td><td>0.25in</td><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td><u>Lt Approach Prism Fill:</u></td><td>0.25in</td><td>Land Use/ Cover</td><td>Yes</td><td>EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST</td></tr> <tr><td></td><td></td><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td></td><td></td><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table>  |   |  |                                       | <u>Crossing Type and Quantity:</u>                               | Bridge,1 | <b>Feature</b> | <b>Within Range</b> | <b>Descriptive Field</b> | <u>Crossing Materials:</u> | Reinforced Concrete | 303(d) | No               | N/A | <u>Soil Types:</u> | MBA,OrB,OrE,TrB,TrD | Wetland Species    | No            | N/A | <u>Rt Approach Prism Fill:</u> | 0.25in              | Rare and Imperiled | No | N/A | <u>Lt Approach Prism Fill:</u> | 0.25in         | Land Use/ Cover | Yes | EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |               |   | Candidate Mussels | No                     | N/A           |   |  | Sturgeon C.H.                | No       | N/A |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Crossing Type and Quantity:</u>   | Bridge,1                                | <b>Feature</b>   | <b>Within Range</b>                   | <b>Descriptive Field</b>   |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Crossing Materials:</u>   | Reinforced Concrete                     | 303(d)   | No                                    | N/A  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Soil Types:</u>   | MBA,OrB,OrE,TrB,TrD                     | Wetland Species  | No                                    | N/A  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Rt Approach Prism Fill:</u>   | 0.25in                                  | Rare and Imperiled   | No                                    | N/A  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
| <u>Lt Approach Prism Fill:</u>   | 0.25in                                  | Land Use/ Cover  | Yes                                   | EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
|  |   | Candidate Mussels  | No                                    | N/A  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |
|  |   | Sturgeon C.H.  | No                                    | N/A  |          |                |                     |                          |                            |                     |        |                  |     |                    |                     |                    |               |     |                                |                     |                    |    |     |                                |                |                 |     |  |               |   |                   |                        |               |   |  |                              |          |     |  |                     |        |   |  |               |       |   |  |                    |           |   |  |                    |           |   |  |                   |           |   |  |                   |           |   |  |                      |           |   |  |                      |           |   |  |                     |           |   |  |                     |           |   |  |              |                        |   |  |               |                                    |   |  |                  |                 |           |  |

Notes: Road is primary sediment source.

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# Lightwood Knot Creek

co-1102-r-013

Sedimentation Risk Index

**50**

Common: 4.4mi E of Five Points  
Drainage: Yellow River      GPS: 31.440008403,-86.229630273  
Land owner: H&MM North, Willis Powell South

County: Covington  
PLSS (T-R-S): 5N-18E-3  
Parcel No.: 1.01, 1  
Road Name: Hudson Rd

State: Alabama



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                  | Score     |
|-------------------------------------|--------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                  | 5         |
| <i>DS Channel Morph</i>             | WETLAND                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL            | 3         |
| <i>Upstream Skew Angle</i>          | <5°                      | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap             | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment            | 5         |
| <i>Road Approach Material</i>       | All Aggregate            | 5         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                   | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                   | 3         |
| <i>Soil K Factor</i>                | <0.20                    | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System   | 5         |
| <i>Ditches Total</i>                | Improved Drainage System | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>          | <b>50</b> |

## Additional Site Features

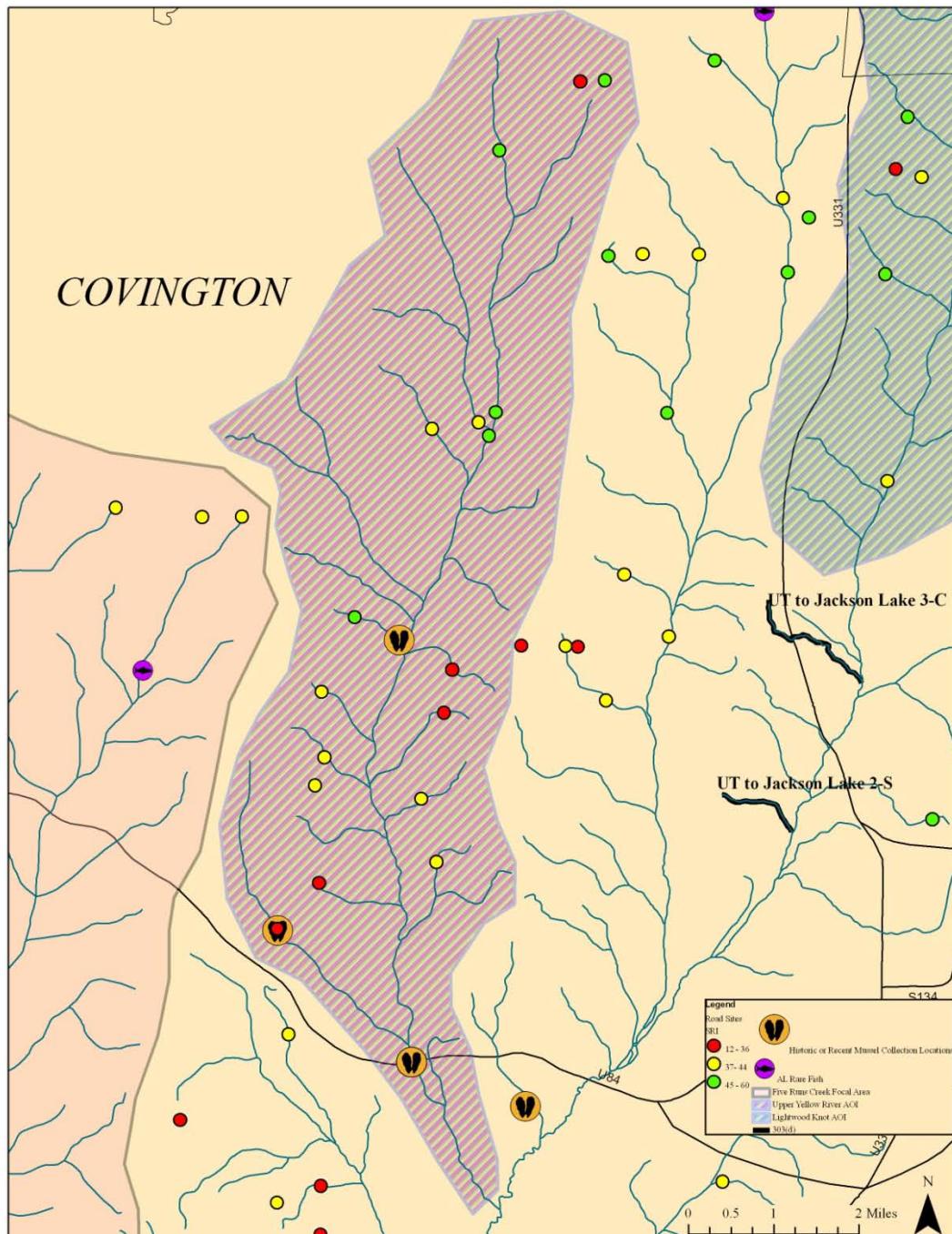
Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: MBA,OrE,TrB,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: None

Appendix K. Upper Yellow River Area of Interest. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



## Unnamed tributary

co-1029-r-010

Sedimentation Risk Index

**24**

Common: 12.4mi NE of Andalusia  
Drainage: Yellow River GPS: 31.417385034, -86.315982289  
Land owner: JJ & Agnes Guy -US, Clayton Floyd -DS

County: Covington  
PLSS (T-R-S): 5N-17E-11  
Parcel No.: 15; 14  
Road Name: Oliver Rd



Crossing Structure: US



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>24</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Unknown  
Soil Types: CdC,DmB,EsC,MBA,OrB,OrC  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field         |
|--------------------|--------------|---------------------------|
| 303(d)             | No           | N/A                       |
| Wetland Species    | No           | N/A                       |
| Rare and Imperiled | No           | N/A                       |
| Land Use/ Cover    | Yes          | N/A/ DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                       |
| Sturgeon C.H.      | No           | N/A                       |

Notes: Buried culvert. Drainage from US pond, runs down ditch then crosses under the road.

# Sasser Branch

co-1027-r-003

Sedimentation Risk Index

**30**

Common: 6.2mi NW of Opp  
Drainage: Yellow River GPS: 31.333167504, -86.341881837  
Land owner: Dallas Henderson -DS, C&L Caldwell -US

County: Covington State: Alabama  
PLSS (T-R-S): 4N-17E-10  
Parcel No.: 5; 3  
Road Name: Sasser Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>30</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Culvert, 1          |
| <u>Crossing Materials:</u>         | Metal               |
| <u>Soil Types:</u>                 | CdB,CdC,FuB,MBA,OrE |
| <u>Rt Approach Prism Fill:</u>     | 1.25in              |
| <u>Lt Approach Prism Fill:</u>     | 1.0in               |

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: Fencing across US. High velocity flow. Undersized culvert.

## Unnamed tributary

co-1027-r-004

Sedimentation Risk Index  
**32**

Common: 6.4mi NW of Opp  
Drainage: Yellow River GPS: 31.340281813, -86.340114564  
Land owner: Dallas Henderson -DS, B&J Sasser -US

County: Covington State: Alabama  
PLSS (T-R-S): 4N-17E-3  
Parcel No.: 8; 28  
Road Name: Sasser Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

**Additional Site Features**

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Metal  
Soil Types: BoB,CdB,CdC,LuB,MBA,OrC,OrE  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 0.75in

Notes: Recently ponded by land owner (Personal communication).

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## Unnamed tributary

co-1102-r-002

Sedimentation Risk Index

**32**

Common: 0.6mi W of Five Points  
Drainage: Yellow River GPS: 31.440360781,-86.314030647  
Land owner: B&N Moore- US & G Hammett - DS

County: Covington  
PLSS (T-R-S): 6N-17E-35  
Parcel No.: 14.2  
Road Name: Driver Rd

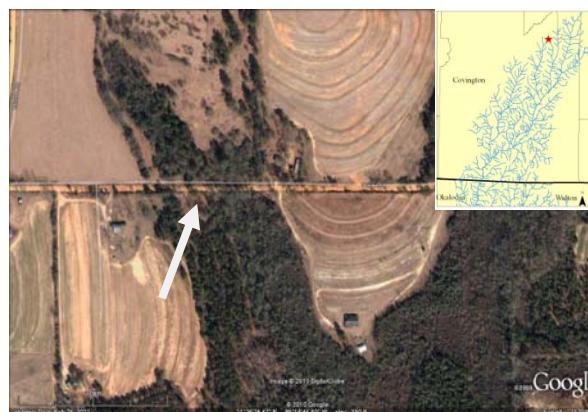


Crossing Structure: US



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | F                          | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |



| Additional Site Features           |                             |  |
|------------------------------------|-----------------------------|--|
| <u>Crossing Type and Quantity:</u> | Culvert,1                   |  |
| <u>Crossing Materials:</u>         | Synthetic                   |  |
| <u>Soil Types:</u>                 | BoB,CdC,DmB,MBA,OrB,OrC,OrE |  |
| <u>Rt Approach Prism Fill:</u>     | 0.25in                      |  |
| <u>Lt Approach Prism Fill:</u>     | 0.25in                      |  |

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB/SCRUB (OTHER) |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: DS highly channelized.

# Hollis Creek

co-0907-r-001

Sedimentation Risk Index  
**36**

Common: 7.1mi W of Opp  
Drainage: Yellow River GPS: 31.296459097, -86.375007419  
Land owner: Vera Worley & Norma King Heris -US, Stan Lanzo -DS

County: Covington  
PLSS (T-R-S): 4N-17E-20  
Parcel No.: 5; 5.01  
Road Name: Houston Crossing

State: Alabama



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: CdC,FuB,LuB,MBA,OrB,OrC,OrE  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field    |
|--------------------|--------------|----------------------|
| 303(d)             | No           | N/A                  |
| Wetland Species    | No           | N/A                  |
| Rare and Imperiled | No           | N/A                  |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY  |
| Candidate Mussels  | Yes          | SOUTHERN KIDNEYSHELL |
| Sturgeon C.H.      | No           | N/A                  |

Notes: Railroad crossing directly DS

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## Unnamed tributary

co-0907-r-002

Sedimentation Risk Index  
**36**

Common: 6.7mi W of Opp  
Drainage: Yellow River GPS: 31.304222211, -86.366880548  
Land owner: Ralph & Annie Tillman -US, Terry Taylor -DS

County: Covington  
PLSS (T-R-S): 4N-17E-20  
Parcel No.: 2;6  
Road Name: Houston Crossing



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | A                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: CdB,CdC,FuB,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field          |
|--------------------|--------------|----------------------------|
| 303(d)             | No           | N/A                        |
| Wetland Species    | No           | N/A                        |
| Rare and Imperiled | No           | N/A                        |
| Land Use/ Cover    | Yes          | N/A/<br>OPEN WATER (FRESH) |
| Candidate Mussels  | No           | N/A                        |
| Sturgeon C.H.      | No           | N/A                        |

Notes: None

# Bear Branch

co-0907-r-005

Sedimentation Risk Index  
**38**

Common: 7.5mi NW of Opp  
Drainage: Yellow River      GPS: 31.336845526, -86.366109608  
Land owner: Kelly & Joan Campbell -US, Smith Family Tr. -DS

County: Covington  
PLSS (T-R-S): 4N-17E-5  
Parcel No.: 1.03; 12  
Road Name: Old Dragstrip Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>38</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoC,CdB,CdC,FuB,MBA,OrC  
Rt Approach Prism Fill: 0.2in  
Lt Approach Prism Fill: 0.2in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Rip rap in stream bed.

| Unnamed tributary  | co-0907-r-004  | Sedimentation Risk Index<br><b>40</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|--|--|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 7.2mi NW of Opp<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.325623005, 31.325623005<br><u>Land owner:</u> Freida Mancil-US, T. Burnell & W. Wells -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 4N-17E-8<br><u>Parcel No.:</u> 6; 5<br><u>Road Name:</u> Old Dragstrip Rd | <u>State:</u> Alabama   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS                                   |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td>1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>40</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1</p> <p><u>Crossing Materials:</u> Reinforced Concrete</p> <p><u>Soil Types:</u> CdC,MBA,OrB,OrC,OrE</p> <p><u>Rt Approach Prism Fill:</u> 0.5in</p> <p><u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> | <br>DS | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A EAST GULF COASTAL PLAIN<br/>INTERIOR UPLAND LONGLEAF PINE<br/>WOODLAND-OFFSITE HARDWOOD MOD</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-OFFSITE HARDWOOD MOD | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking  | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | C  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | >40 y³   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | >4%  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| 303(d)   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes  | N/A EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND-OFFSITE HARDWOOD MOD |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |

Notes: Trash in outlets.

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## Unnamed tributary

co-0907-r-003

Sedimentation Risk Index  
**42**

Common: 7.1mi NW of Opp  
Drainage: Yellow River GPS: 31.320859074, -86.367395487  
Land owner: Bonnie Worley, Tr. -US, Roy Jr. & Sybil Weaver -DS

County: Covington  
PLSS (T-R-S): 4N-17E-17  
Parcel No.: 2; 1  
Road Name: Old Dragstrip Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | B                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>42</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: PVC  
Soil Types: CdB,CdC,FuB,MBA,OrB,OrC  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: Excessive erosion over culvert.

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| Unnamed tributary  | co-1027-r-002   | Sedimentation Risk Index<br><b>42</b> |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
|--|---|---------------------------------------|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 5.9mi NW of Opp<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.318371094, -86.346232084<br><u>Land owner:</u> Kenneth & Martha Ward -DS, J&C Hawkins -US   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 4N-17E-16/15<br><u>Parcel No.:</u> 1; 4.01<br><u>Road Name:</u> Homer Smith Rd | <u>State:</u> Alabama                 |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>US  |                                       |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> CdB,CdC,FuB,MBA,OrC,OrE<br/> <u>Rt Approach Prism Fill:</u> 1.0in<br/> <u>Lt Approach Prism Fill:</u> 0.75in</p> | Risk Factor   | Ranking                               | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>US | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>PASTURE/HAY</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>PASTURE/HAY | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score                                 |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | E   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | >40 y³  | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | >4%   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>42</b>                             |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| 303(d)   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Wetland Species  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Rare and Imperiled   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | N/A/<br>PASTURE/HAY                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                     |                   |    |     |               |    |     |

Notes: None

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# Faegins Creek

co-1029-r-003

Sedimentation Risk Index  
**42**

Common: 10.1mi NE of Andalusia  
Drainage: Yellow River GPS: 31.382492870, -86.334532485  
Land owner: Tray Creane & Brett Riley

County: Covington  
PLSS (T-R-S): 5N-17E-22  
Parcel No.: 4  
Road Name: Lord Hill Rd

State: Alabama



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | D                          | 1         |
| <i>DS Channel Morph</i>             | D                          | 1         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: MBA,OrC,OrE,TrD  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A PASTURE/HAY, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MOD |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Close proximity to YR main stem.

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| Unnamed tributary   | co-1027-r-001  | <i>Sedimentation Risk Index</i><br><b>42</b> |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|-------|-------------------------|------------|---|-------------------------|--------|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 5.5mi NW of Opp<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.307672065, -86.34341173<br><u>Land owner:</u> L & C Smith -US West, B&T Turner -US East, Jaunice Dredging -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 4N-17E-15<br><u>Parcel No.:</u> 8.01; 10.04; 6.03<br><u>Road Name:</u> Homer Smith Rd | <u>State:</u> Alabama                        |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <br>Crossing Structure: DS   | <br>US   |  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>BEAVER DAM</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>PONDED</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>42</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking                                      | Score | <i>US Channel Morph</i> | BEAVER DAM | 3 | <i>DS Channel Morph</i> | PONDED | 1 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>US |  |
| Risk Factor   | Ranking  | Score  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | BEAVER DAM   | 3  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | PONDED   | 1  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | >4%  | 1  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>                                    |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BnB,CdB,CdC,MBA,OrB,OrC,OrE<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.1in         </p>   | <b>Feature</b>   | <b>Within Range</b>                          |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | 303(d)   | No   |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | Wetland Species  | No   |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | Rare and Imperiled   | No   |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | Land Use/ Cover  | Yes  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | Candidate Mussels  | No   |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   | Sturgeon C.H.  | No   |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |  | N/A  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |  | SUCCESSIONAL SHRUB/SCRUB (OTHER)             |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |  | N/A  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |  | N/A  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |  | N/A  |       |                         |            |   |                         |        |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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## Unnamed tributary

co-1029-r-002

Sedimentation Risk Index  
**44**

Common: 9.6mi NE of Andalusia  
Drainage: Yellow River      GPS: 31.381445735, -86.343918727  
Land owner: Douglas & Mary Brooks -US, James & Jeannette Odom - DS

County: Covington      State: Alabama  
PLSS (T-R-S): 5N-17E-22  
Parcel No.: 38; 3  
Road Name: Southwind Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |



| <b>Additional Site Features</b>    |                             |
|------------------------------------|-----------------------------|
| <i>Crossing Type and Quantity:</i> | Bridge, 1                   |
| <i>Crossing Materials:</i>         | Wood                        |
| <i>Soil Types:</i>                 | CdC,DmB,FoA,LuB,MBA,OrB,OrC |
| <i>Rt Approach Prism Fill:</i>     | 0.1in                       |
| <i>Lt Approach Prism Fill:</i>     | 0.1in                       |

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB/SCRUB (OTHER) |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: None

## Unnamed tributary

co-1102-r-003

Sedimentation Risk Index

**46**

Common: 0.3mi W of Five Points  
Drainage: Yellow River GPS: 31.440543141,-86.309126676  
Land owner: Bessie Langford North, J & A Gray South

County: Covington  
PLSS (T-R-S): 6N-17E-36  
Parcel No.: 16, Unknown  
Road Name: Driver Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>46</b> |



| Additional Site Features           |                             |
|------------------------------------|-----------------------------|
| <u>Crossing Type and Quantity:</u> | Bridge, 1                   |
| <u>Crossing Materials:</u>         | Wood                        |
| <u>Soil Types:</u>                 | BoB,CdC,DmB,MBA,OrB,OrC,OrE |
| <u>Rt Approach Prism Fill:</u>     | 0.25in                      |
| <u>Lt Approach Prism Fill:</u>     | 1.00in                      |

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/Cover     | Yes          | N/A/ EAST GULF COASTAL PLAIN SMAILL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Surface oils and anaerobic smell

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# Yellow River

co-1102-r-001

Sedimentation Risk Index  
**48**

Common: 1.8mi SW of Five Points  
Drainage: Blackwater Bay GPS: 31.428717623,-86.330150140  
Land owner: Royce & Barbara Harrison-US, W&T Mitchell –DS East, Lucky Hack – DS West

County: Covington  
PLSS (T-R-S): 6N-17E-35  
Parcel No.: Unknown  
Road Name: Prestwood Rd

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                         | 3         |
| <i>DS Channel Morph</i>             | WETLAND                            | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: MBA,OrB,OrC,OrE,TrD  
Rt Approach Prism Fill: 0.10in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE/HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: None

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# Yellow River

co-1029-r-001

Sedimentation Risk Index  
**50**

Common: 10.2mi NE of Andalusia  
Drainage: Blackwater Bay GPS: 31.380043682, -86.332556256  
Land owner: Billy Henderson -US, Doris Henderson -DS

County: Covington  
PLSS (T-R-S): 5N-17E-27  
Parcel No.: 1.01; 1  
Road Name: Southwind Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                        | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                        | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                        | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                        | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Improved Drainage System         | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>50</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: MBA,OrB,OrC,OrE,TrD  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Public access path leading to DS LT outlet.

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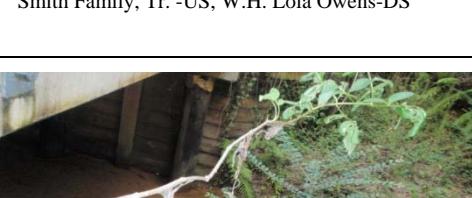
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| Unnamed tributary   |  | co-1029-r-005  | Sedimentation Risk Index<br>50   |
|---|--|--|--|
| <u>Common:</u>  | 7.8mi NE of Andalusia                                |  |  |
| <u>Drainage:</u>  | Yellow River <u>GPS:</u> 31.349427806, -86.359341040 |  |  |
| <u>Land owner:</u>  | Smith Family, Tr. -US, W.H. Lola Owens-DS            |  |  |
| <u>County:</u> Covington  |  |  | <u>State:</u> Alabama  |
| <u>PLSS (T-R-S):</u> 4N-17E-4   |  |  |  |
| <u>Parcel No.:</u> 2; 3.41  |  |  |  |
| <u>Road Name:</u> E.J. Ready Rd   |  |  |  |
|    |  |  |  |
| Crossing Structure: DS  |  |  | US   |
| <b>Risk Factor</b>  | <b>Ranking</b>                                       | <b>Score</b>   |  |
| <i>US Channel Morph</i>   | E  | 5  |  |
| <i>DS Channel Morph</i>   | E  | 5  |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |  |
| <i>Crossing fill condition</i>  | Good/Vegetated                                       | 5  |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |  |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |  |
| <i>Approach Slope Mean</i>  | >4%  | 1  |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |  |
| <i>Outlet Total</i>   | Improved Outlet System                               | 5  |  |
| <i>Ditches Total</i>  | Unimproved Drainage System                           | 1  |  |
| <b>SRI Total</b>  | <b>Low Risk</b>                                      | <b>50</b>  |  |
| <b>Additional Site Features</b>   |  |  |  |
| <u>Crossing Type and Quantity:</u>  | Bridge, 1  |  |  |
| <u>Crossing Materials:</u>  | Reinforced Concrete                                  |  |  |
| <u>Soil Types:</u>  | CdB,MDB,OrB,OrC,OrE                                  |  |  |
| <u>Rt Approach Prism Fill:</u>  | 0.25in   |  |  |
| <u>Lt Approach Prism Fill:</u>  | 0.25in   |  |  |
|  |  |  |  |
| <b>Feature</b>  | <b>Within Range</b>                                  | <b>Descriptive Field</b>                                       |  |
| 303(d)  | No   | N/A  |  |
| Wetland Species   | No   | N/A  |  |
| Rare and Imperiled  | No   | N/A  |  |
| Land Use/ Cover   | Yes  | N/A/<br>EAST GULF COASTAL PLAIN<br>SOUTHERN MESIC SLOPE FOREST |  |
| Candidate Mussels   | No   | N/A  |  |
| Sturgeon C.H.   | No   | N/A  |  |

Notes: None

# Yellow River

co-1029-r-004

Sedimentation Risk Index  
**52**

Common: 10.4mi NE of Andalusia  
Drainage: Blackwater Bay GPS: 31.384186700, -86.331219659  
Land owner: Billy Henderson & Rite Odom

County: Covington State: Alabama  
PLSS (T-R-S): 5N-17E-22  
Parcel No.: 5  
Road Name: Lord Hill Rd



Crossing Structure: US



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>52</b> |

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/ Cover    | Yes          | N/A PASTURE/HAY,<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: Mba,OrC,OrE,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.15in

Notes: None

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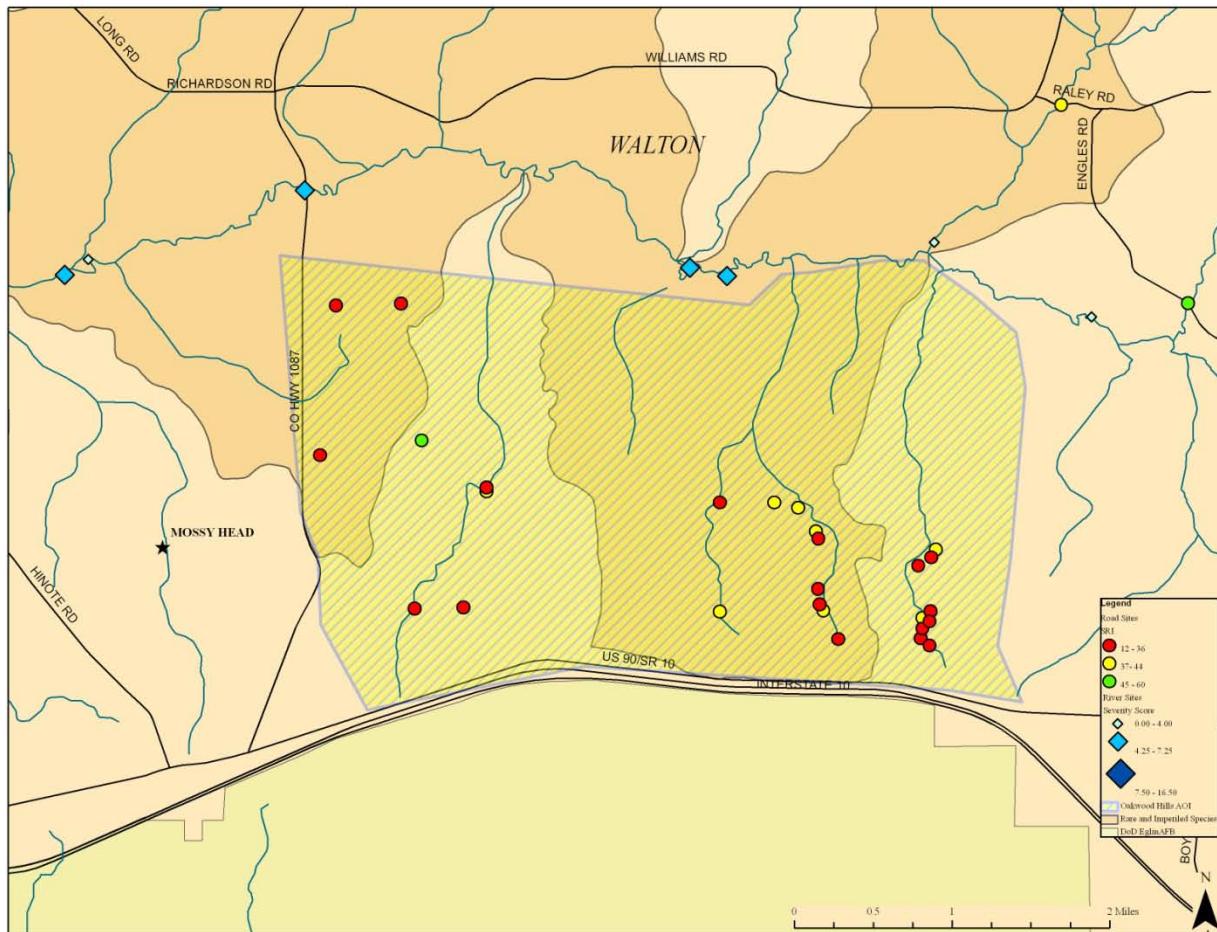


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Appendix L. Oakwood Hills Area of Interest. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



# Battle Creek

wa-0707-r-002

Sedimentation Risk Index  
**22**

Common: 2.3mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.767642, -86.288075  
Land owner: Anthony & Deborah Farrantello-DS, Marie Berry-US

County: Walton State: Florida  
PLSS(T-R-S): 3N-20-07  
Parcel No.: 21.0011;020.0010  
Road Name: Unpaved road off Squire Way



Crossing Structure: US



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | D                          | 1         |
| <i>DS Channel Morph</i>             | D                          | 1         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Native Soil            | 1         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>22</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,17,31,33,34  
Rt Approach Prism Fill: 6.0in  
Lt Approach Prism Fill: 5.0in

| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS        |
| Rare and Imperiled | No           | N/A                                      |
| Land Use/ Cover    | Yes          | VACANT RESIDENTIAL/HYDRIC PINE FLATWOODS |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: Not sure if this is a county maintained road.

## Unnamed tributary

wa-0707-r-005

Sedimentation Risk Index  
**22**

Common: 2.0mi NE of Mossy Head  
Drainage: Adam's Mill Creek GPS: 30.770678, -86.305817  
Land owner: Richard & Monica Mason-US, Derek & Byron Rawles-DS

County: Walton  
PLSS(T-R-S): 3N-21-12  
Parcel No.: 2.021; 2.020  
Road Name: Mill Creek Dr.



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | F                          | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>22</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,33,34  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, GOLDSTRIPE DARTER, IRONCOLOR SHINER |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ HYDRIC PINE FLATWOODS      |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Metal culvert buried into the woods DS- not pictured. Road Closed due to extreme erosion

| Unnamed tributary  | wa-0707-r-007   | Sedimentation Risk Index<br><b>30</b>                     |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|--|---|---|--|-------------------------|---------|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 3.1mi NE of Mossy Head<br><u>Drainage:</u> Adams Mill Creek <u>GPS:</u> 30.784610<br><u>Land owner:</u> Donald & Sharon Richardson-US, William & Amaryllis Tinsley-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-21-01<br><u>Parcel No.:</u> 2.002, 1.002<br><u>Road Name:</u> Adams Branch Rd | <u>State:</u> Florida                                     |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
|   |   |   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| Crossing Structure: US   | US  |   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td style="text-align: right;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td style="text-align: right;">3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td style="text-align: right;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Blocked</td><td style="text-align: right;">1</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Native Soil</td><td style="text-align: right;">1</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td style="text-align: right;">1</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td style="text-align: right;">1</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td style="text-align: right;">3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>High Risk</b></td><td style="text-align: right;"><b>30</b></td></tr> </tbody> </table> | Risk Factor   | Ranking   | Score  | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Blocked | 1 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>30</b> |  |  |
| Risk Factor  | Ranking   | Score   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>  | WETLAND   | 5   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>  | DA  | 3   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Blocked   | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>  | All Native Soil   | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | >40 y³  | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>   | >4%   | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>SRI Total</b>   | <b>High Risk</b>  | <b>30</b>   |  |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> 13,14,15,31<br><u>Rt Approach Prism Fill:</u> 1.0in<br><u>Lt Approach Prism Fill:</u> 1.0in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H.    | <b>Within Range</b><br>No<br>No<br>Yes<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER<br>PARCELS WITH NO VALUES/ WETLAND FORESTED MIX<br>N/A<br>N/A |                         |         |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |  |

Notes: Fencing across US.

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# Unnamed tributary

wa-0716-r-009

Sedimentation Risk Index  
**26**

Common: 3.5mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.766093, -86.263208  
Land owner: David Caldwell & Paul Wolfe

County: Walton  
PLSS(T-R-S): 3N-20-08-28000  
Parcel No.: 4.0180  
Road Name: Trout Dr

State: Florida



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>26</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 8,17,18,33  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                                   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ RESERVOIRS                  |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: 2 culverts discharging in different directions- also, different materials and sizes.

| Unnamed tributary  | wa-0707-r-006   | Sedimentation Risk Index<br><b>30</b>               |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
|--|---|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 2.9mi NE of Mossy Head<br><u>Drainage:</u> Adams Mill Creek <u>GPS:</u> 30.784486, -86.304017<br><u>Land owner:</u> Wax Aero Acres LLC- US, Mildred & James Courtney-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-21-01<br><u>Parcel No.:</u> 2; 1<br><u>Road Name:</u> Adams Branch Rd | <u>State:</u> Florida                               |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <br>Crossing Structure: DS  | <br>DS                              |   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
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| Risk Factor  | Ranking   | Score   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | D   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | D   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | >4%   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>High Risk</b>  | <b>30</b>   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| 303(d)   | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Wetland Species  | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes   | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes   | PARCELS WITH NO VALUES AGRICULTURAL /HAY FIELDS     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                  |           |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |   |                   |    |     |               |    |     |  |

Notes: None

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# Gum Creek

wa-0727-r-006

Sedimentation Risk Index  
**32**

Common: 4.5mi E of Mossy Head  
Drainage: Shoal River GPS: 30.752828298, -86.240921785  
Land owner: Capital Funding Enterprises

County: Walton  
PLSS (T-R-S): 3N-20-16-28060  
Parcel No.: 7; 4.80350  
Road Name: Blue Ridge Blvd



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Other                      | 0         |
| <i>Upstream Lt Outlet</i>           | Other                      | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Other                      | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,17,18,33,36  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS     |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Failing BMPs DS. DS Drop off.

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## Unnamed tributary

wa-0716-r-002

Sedimentation Risk Index  
**32**

Common: 3.9mi E of Mossy Head  
Drainage: Shoal River GPS: 30.753471,-86.250669  
Land owner: Claude Santer- US East, Ruth G Davenport Trust-US  
 West, Chester & Louise Chambers-DS

County: Walton State: Florida  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 24.0080; 24.0060; 25.0010  
Road Name: W. Dogwood Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Other                      | 0         |
| <i>Upstream Lt Outlet</i>           | Other                      | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Other                      | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: PVC  
Soil Types: 17,18  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field                                   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS                       |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: BMPs installed

| <b>Unnamed tributary</b>  | <b>wa-0707-r-004</b>   | <i>Sedimentation Risk Index</i><br><b>40</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
|---|--|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 1.7mi NE of Mossy Head<br><u>Drainage:</u> Battle Creek <u>GPS:</u> 30.756608, -86.290619<br><u>Land owner:</u> Kelly Wise-US, Raymond & Sara Sinclair-DS  | <u>County:</u> Walton<br><u>PLSS:</u> 18-3N-20<br><u>Parcel No.:</u> 16.007, 16.001<br><u>Road Name:</u> Unknown road- power line crossing |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
|    |    |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>Crossing Structure: Rt Approach</b>  | <b>US</b>  |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Native Soil</td> <td>1</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td>1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><b>Outlet Total</b></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><b>Ditches Total</b></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Ford, 1<br/> <u>Crossing Materials:</u> Native Soil<br/> <u>Soil Types:</u> 34<br/> <u>Rt Approach Prism Fill:</u> 2.5in<br/> <u>Lt Approach Prism Fill:</u> 2.0in</p> | Risk Factor  | Ranking                                       | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | 1 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  <p style="text-align: right;">Google</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>ACREAGE NOT ZONED FOR AGRICULTURE/ RESERVOIRS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | ACREAGE NOT ZONED FOR AGRICULTURE/ RESERVOIRS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>   | E  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>   | E  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>   | All Native Soil  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>  | >4%  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>Outlet Total</b>   | Unimproved Outlet System   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>Ditches Total</b>  | Unimproved Drainage System   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>                                     |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                             |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS             |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | ACREAGE NOT ZONED FOR AGRICULTURE/ RESERVOIRS |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |

Notes: ATV trail

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| Unnamed tributary   | wa-0727-r-002  | Sedimentation Risk Index<br><b>32</b>   |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|---|--|---|-------|-------------------------|--------|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.6mi E of Mossy Head<br><u>Drainage:</u> Gum Creek <u>GPS:</u> 30.760919817, 30.760919817<br><u>Land owner:</u> Grabers Excavating- DS, David and Dorene McDonald-US  | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 3N-20-16-28060<br><u>Parcel No.:</u> 07.70170; 06.80700<br><u>Road Name:</u> Blue Ridge Blvd | <u>State:</u> Florida                   |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US   |   |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
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text-align: right;"><b>SRI Total</b></td><td style="padding: 2px; text-align: right;"><b>High Risk</b></td><td style="padding: 2px; text-align: right;"><b>32</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 17,18,33,35<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in     </p> | Risk Factor  | Ranking                                 | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>32</b> | <br>US | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">VACANT RESIDENTIAL/ UNIMPROVED PASTURES</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | VACANT RESIDENTIAL/ UNIMPROVED PASTURES | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score                                   |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | PONDED   | 1                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | DA   | 3                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH   | 1                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°  | 5                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20  | 5                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Unimproved Outlet System   | 1                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1                                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>High Risk</b>   | <b>32</b>                               |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field                       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| 303(d)  | No   | N/A                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS       |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled  | No   | N/A                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | VACANT RESIDENTIAL/ UNIMPROVED PASTURES |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A                                     |       |                         |        |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |

Notes: US culvert too high- all flow cannot reach its inlet.

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# Gum Creek

wa-0716-r-010

Sedimentation Risk Index  
**26**

Common: 4.4mi E of Mossy Head  
Drainage: Shoal River GPS: 30.753482, -86.241856  
Land owner: Margaret Rocque-US, James & Janice Shackelford-DS

County: Walton  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 48.0160; 49.0340  
Road Name: E Dogwood Dr



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Other                              | 0         |
| <i>Upstream Lt Outlet</i>           | Other                              | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Other                              | 0         |
| <i>Downstream Lt Outlet</i>         | Other                              | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Unimproved Outlet System           | 1         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 17,18  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS     |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: BMPs

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# Gum Creek

wa-0716-r-011

Sedimentation Risk Index  
**36**

Common: 4.4mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.754374, -86.241669  
Land owner: James & Janice Shackelford-US, Antonio Chua

County: Walton  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 9.0160; 50.0340  
Road Name: E Larkspur Ave



Crossing Structure: US



US



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS     |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 17,18  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.25in

Notes: Poor drainage

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## Unnamed tributary

wa-0727-r-004b

Sedimentation Risk Index  
**34**

Common: 4.5mi E of Mossy Head  
Drainage: Gum Creek GPS: 30.755019, -86.240897  
Land owner: Vicki and Michael Dekoninck-US, Thelma Adams-DS

County: Walton  
PLSS (T-R-S): 3N-20-16-28060  
Parcel No.: 7.10050;6.80010  
Road Name: Blue Ridge Blvd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking              | Score     |
|-------------------------------------|----------------------|-----------|
| <i>US Channel Morph</i>             | DA                   | 3         |
| <i>DS Channel Morph</i>             | DA                   | 3         |
| <i>DS Bank Alteration</i>           | HIGH                 | 1         |
| <i>Upstream Skew Angle</i>          | <5°                  | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil       | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay        | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³               | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%               | 3         |
| <i>Soil K Factor</i>                | <0.20                | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil            | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil            | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil            | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil            | 0         |
| <i>Downstream Rt Outlet</i>         | Other                | 0         |
| <i>Downstream Lt Outlet</i>         | Other                | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil            | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil            | 0         |
| <b>SRI Total</b>                    | <b>High Risk</b>     | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Cuvert,1  
Crossing Materials: Metal  
Soil Types: 8,17,18,33,36  
Rt Approach Prism Fill: 0.100  
Lt Approach Prism Fill: 0.250



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                                  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/ MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS BMP fill.

# Unnamed tributary

wa-0727-r-004a

Sedimentation Risk Index  
**34**

Common: 4.5mi E of Mossy Head  
Drainage: Gum Creek      GPS: 30.755967537, -86.240822602  
Land owner: Roland & Judith Joachim-US, Ramon Trelles-DS

County: Walton  
PLSS (T-R-S): 3N-20-16-28060  
Parcel No.: 7.20030; 6.80940  
Road Name: Blue Ridge Blvd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Other                      | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <b>Outlet Total</b>                 | Unimproved Outlet System   | 1         |
| <b>Ditches Total</b>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,17,18,33,36  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                                  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/ MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS drop off. BMPs installed.

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## Unnamed tributary

wa-0716-r-004

Sedimentation Risk Index  
**36**

Common: 3.8mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.758112, -86.252781  
Land owner: Helen Bright-US, Josh Graber & Kevin Millner-DS

County: Walton  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 9.0150; 25.0220  
Road Name: Trout Rd

State: Florida



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Other                      | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,17,17,32  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                                 |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER               |
| Land Use/ Cover    | Yes          | N/A MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES |
| Candidate          | No           | N/A   |
| Mussels            | No           | N/A   |
| Sturgeon C.H.      |              |   |

Notes: BMPs DS outlets

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# Unnamed tributary

wa-0716-r-003b

Sedimentation Risk Index

**34**

Common: 3.8mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.756684, -86.252618  
Land owner: Helen Bright-US, Unknown DS

County: Walton  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 9.0150  
Road Name: Trout Rd

State: Florida



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 8,17,18,32  
Rt Approach Prism Fill: 0.05in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER |
| Land Use/ Cover    | Yes          | N/A / ELECTRICAL POWER TRANSMISSION LINES          |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Culvert barely visible

## Unnamed tributary

wa-0707-r-003

Sedimentation Risk Index  
**34**

Common: 1.7mi NE of Mossy Head  
Drainage: Battle Creek  
Land owner: Barbara Hall

GPS: 30.756542, -86.295839

County: Walton  
PLSS: 13-3N-21  
Parcel No.: 0D  
Road Name: Donna Ln



Crossing Structure: US



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Native Soil                    | 1         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>34</b> |

#### Additional Site Features

Crossing Type and Quantity: Reservoir Drain, 1  
Crossing Materials: Metal  
Soil Types: 33,34  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                                |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | RESIDENTIAL/ ELECTRICAL POWER TRANSMISSION LINES |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

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| Unnamed tributary   | wa-0716-r-003a  | Sedimentation Risk Index<br><b>38</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 3.8mi NE of Mossy Head<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.756112, -86.252238<br><u>Land owner:</u> Helen Bright-US, James & Diane Love-DS  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20-16-28060<br><u>Parcel No.:</u> 9.0150; 25.0150<br><u>Road Name:</u> Trout Rd | <u>State:</u> Florida  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
|    |   |  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <b>Crossing Structure: US</b>   |   | <b>DS</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Other</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><b>Outlet Total</b></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><b>Ditches Total</b></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 8,17,18,32<br/> <u>Rt Approach Prism Fill:</u> 0.01in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor   | Ranking  | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Other | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | 1 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER | Land Use/ Cover | Yes | N/A/ MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | E   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Other   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <b>Outlet Total</b>   | Unimproved Outlet System  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <b>Ditches Total</b>  | Unimproved Drainage System  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>38</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | Yes   | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER                                |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | N/A/ MDC-INACTIVE LAND WITH STREET PATTERNS BUT WITHOUT STRUCTURES                 |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |  |                   |    |     |               |    |     |

Notes: BMPs installed

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## Unnamed tributary

wa-0727-r-003

Sedimentation Risk Index  
**34**

Common: 4.6mi E of Mossy Head  
Drainage: Gum Creek      GPS: 30.760196481, -86.242056613  
Land owner: Timothy Tindle-DS, Joann S. Bryan-US

County: Walton  
PLSS (T-R-S): 3N-20-16-28060  
Parcel No.: 7.60010; 07.50010  
Road Name: Hollyhock Pl



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |
| <b>Additional Site Features</b>     |                            |           |
| <i>Crossing Type and Quantity:</i>  | Culvert, 1                 |           |
| <i>Crossing Materials:</i>          | Metal                      |           |
| <i>Soil Types:</i>                  | 8,17,18,33,35              |           |
| <i>Rt Approach Prism Fill:</i>      | 0.1in                      |           |
| <i>Lt Approach Prism Fill:</i>      | 0.25in                     |           |



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>UNIMPROVED PASTURES       |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Cannot see DS outlet. US pond is full of algal growth.

## Unnamed tributary

wa-0716-r-006

Sedimentation Risk Index  
**34**

Common: 3.9mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.762719, -86.252690  
Land owner: Richard & Barbara Harrison-DS, Marjorie McLaughlin-US

County: Walton  
PLSS(T-R-S): 3N-20-16-28060  
Parcel No.: 16.0310; 015.0170  
Road Name: Amaryllis Ln

State: Florida



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                          | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

#### Additional Site Features

Crossing Type and Quantity: Unknown  
Crossing Materials: Unknown  
Soil Types: 8,17,18,33  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.15in

| Feature            | Within Range | Descriptive Field                                   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS                       |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Buried crossing structure- unknown. Fence across DS.

| Unnamed tributary  | wa-0716-r-001   | Sedimentation Risk Index<br><b>38</b>               |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
|--|---|---|-------|-------------------------|------------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-------|---|-----------------------------|-----------|---|-----------------------------|-------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|-----------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 3.2mi NE of Mossy Head<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.756063, -86.263258<br><u>Land owner:</u> Reita Starkey-DS East, Douglas Englishman-DS West, John Luchka-US  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20-17-28080<br><u>Parcel No.:</u> 8.0150; 34.0060; 35.0050<br><u>Road Name:</u> Violet Rd | <u>State:</u> Florida                               |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>US  |   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: right; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>US Channel Morph</i></td><td style="padding: 2px;">BEAVER DAM</td><td style="text-align: right; padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;"><i>DS Channel Morph</i></td><td style="padding: 2px;">C</td><td style="text-align: right; padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;"><i>DS Bank Alteration</i></td><td style="padding: 2px;">HIGH</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Upstream Skew Angle</i></td><td style="padding: 2px;">5-30°</td><td style="text-align: right; padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;"><i>Crossing fill condition</i></td><td style="padding: 2px;">Poor/Bare soil</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Inlet/Outlet Condition</i></td><td style="padding: 2px;">Sed Islands/Scouring</td><td style="text-align: right; padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;"><i>Road Approach Material</i></td><td style="padding: 2px;">All Aggregate</td><td style="text-align: right; padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;"><i>Potential Eroded Volume Mean</i></td><td style="padding: 2px;">&lt;21 y³</td><td style="text-align: right; padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;"><i>Approach Slope Mean</i></td><td style="padding: 2px;">&gt;4%</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Soil K Factor</i></td><td style="padding: 2px;">&lt;0.20</td><td style="text-align: right; padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;"><i>Upstream Rt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="text-align: right; padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;"><i>Upstream Lt Outlet</i></td><td style="padding: 2px;">Vegetated</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Upstream Rt Ditch</i></td><td style="padding: 2px;">Vegetated</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Upstream Lt Ditch</i></td><td style="padding: 2px;">Other</td><td style="text-align: right; padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;"><i>Downstream Rt Outlet</i></td><td style="padding: 2px;">Vegetated</td><td style="text-align: right; padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;"><i>Downstream Lt Outlet</i></td><td style="padding: 2px;">Other</td><td style="text-align: right; padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;"><i>Downstream Rt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="text-align: right; padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;"><i>Downstream Lt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="text-align: right; padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;"><i>Outlet Total</i></td><td style="padding: 2px;">Partially Improved Outlet System</td><td style="text-align: right; 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padding: 2px;">N/A</td> </tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="text-align: left; padding: 2px;">N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER | Land Use/ Cover | Yes | N/A/<br>MIXED SCRUB-SHRUB WETLAND | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | BEAVER DAM  | 3   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | C   | 5   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH  | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Aggregate   | 5   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | >4%   | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Vegetated   | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Other   | 0   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Other   | 0   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>38</b>   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                                   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| 303(d)   | No  | N/A   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Rare and Imperiled   | Yes   | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | N/A/<br>MIXED SCRUB-SHRUB WETLAND                   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A   |       |                         |            |   |                         |   |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |       |   |                             |           |   |                             |       |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                                   |                   |    |     |               |    |     |

Notes: Failing BMPs installed.

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| Unnamed tributary  | wa-0716-r-005   | Sedimentation Risk Index<br><b>38</b> |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|--|---|---------------------------------------|-------|-------------------------|----|---|-------------------------|----|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 3.9mi NE of Mossy Head<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.763401, -86.252959<br><u>Land owner:</u> Catoe Investments Inc- US, BLPW Roppe Inc-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20-16-28060<br><u>Parcel No.:</u> 16.0120; 025.0540<br><u>Road Name:</u> Trout Rd | <u>State:</u> Florida                 |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <br>Crossing Structure: US  | <br>US  |                                       |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr><td style="padding: 2px;"><i>US Channel Morph</i></td><td style="padding: 2px;">DA</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;"><i>DS Channel Morph</i></td><td style="padding: 2px;">DA</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;"><i>DS Bank Alteration</i></td><td style="padding: 2px;">HIGH</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;"><i>Upstream Skew Angle</i></td><td style="padding: 2px;">&lt;5°</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;"><i>Crossing fill condition</i></td><td style="padding: 2px;">Poor/Bare soil</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;"><i>Inlet/Outlet Condition</i></td><td style="padding: 2px;">Sed Islands/Scouring</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;"><i>Road Approach Material</i></td><td style="padding: 2px;">All Sand/Clay</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;"><i>Potential Eroded Volume Mean</i></td><td style="padding: 2px;">&lt;21 y³</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;"><i>Approach Slope Mean</i></td><td style="padding: 2px;">&lt;2%</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;"><i>Soil K Factor</i></td><td style="padding: 2px;">&lt;0.20</td><td style="padding: 2px;">5</td></tr> <tr><td style="padding: 2px;"><i>Upstream Rt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Upstream Lt Outlet</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Upstream Rt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Upstream Lt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Downstream Rt Outlet</i></td><td style="padding: 2px;">Bare Soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Downstream Lt Outlet</i></td><td style="padding: 2px;">Vegetated</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;"><i>Downstream Rt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><i>Downstream Lt Ditch</i></td><td style="padding: 2px;">Bare soil</td><td style="padding: 2px;">0</td></tr> <tr><td style="padding: 2px;"><b>Outlet Total</b></td><td style="padding: 2px;">Partially Improved Outlet System</td><td style="padding: 2px;">3</td></tr> <tr><td style="padding: 2px;"><b>Ditches Total</b></td><td style="padding: 2px;">Unimproved Drainage System</td><td style="padding: 2px;">1</td></tr> <tr><td style="padding: 2px;"><b>SRI Total</b></td><td style="padding: 2px; text-align: right;"><b>Medium Risk</b></td><td style="padding: 2px; text-align: right;"><b>38</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 8,17,18,32<br/> <u>Rt Approach Prism Fill:</u> 0.25<br/> <u>Lt Approach Prism Fill:</u> 0.1in     </p> | Risk Factor   | Ranking                               | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare Soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Partially Improved Outlet System | 3 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <br>US |  |
| Risk Factor  | Ranking   | Score                                 |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | DA  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | DA  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%   | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare Soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Outlet Total</b>  | Partially Improved Outlet System  | 3                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Ditches Total</b>   | Unimproved Drainage System  | 1                                     |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>38</b>                             |       |                         |    |   |                         |    |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: BMPs for fill and outlets-- failing. Outlets running over.

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# Gum Creek

wa-0727-r-005

Sedimentation Risk Index  
**40**

Common: 4.4mi E of Mossy Head  
Drainage: Shoal River      GPS: 30.755371184, -86.241644652  
Land owner: Estate and Gumersindo Rodriquez-DS, Fredrick W. Lauer-US

County: Walton  
PLSS (T-R-S): 3N-20-16-28060  
Parcel No.: 6.80020; 5.10290  
Road Name: Blue Ridge Blvd



Crossing Structure: Lt Approach



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Native Soil            | 1         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <b>Outlet Total</b>                 | Unimproved Outlet System   | 1         |
| <b>Ditches Total</b>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Ford, 1  
Crossing Materials: Native Soil  
Soil Types: 8,17,18,33,36  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 2.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS     |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Potentially a culvert below flooding? Unimproved road, high prism fill.

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| <b>Unnamed tributary</b>   | <b>wa-0727-r-001</b>  | <i>Sedimentation Risk Index</i><br><b>40</b> |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|--|---|--|--------------|-------------------------|--------|----|-------------------------|-----------------|-----|-----------------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 4.6mi E of Mossy Head<br><u>Drainage:</u> Gum Creek <u>GPS:</u> 30.761649086, -86.240202153<br><u>Land owner:</u> John Cruz Lopez-US, Johh L Wright/ Edwin Nauman as trustee-DS   | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 3N-20-16-28060<br><u>Parcel No.:</u> 07.70180;06.80690; 06.80670<br><u>Road Name:</u> Blue Ridge Rd   | <u>State:</u> Florida                        |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
|   |   | <b>US</b>                                    |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   |   |  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>A</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>B</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><b>Outlet Total</b></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><b>Ditches Total</b></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> | Risk Factor   | Ranking                                      | Score        | <i>US Channel Morph</i> | A      | 5  | <i>DS Channel Morph</i> | B               | 5   | <i>DS Bank Alteration</i>         | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | 1 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |  |
| Risk Factor  | Ranking   | Score  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | A   | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | B   | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH  | 1  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%   | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Outlet Total</b>  | Unimproved Outlet System  | 1  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Ditches Total</b>   | Unimproved Drainage System  | 1  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>40</b>                                    |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 17,18,33,35<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.35in       </p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>HYDRIC PINE FLATWOODS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                                      | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>HYDRIC PINE FLATWOODS  | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Feature  | Within Range  | Descriptive Field                            |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| 303(d)   | No  | N/A  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS            |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Rare and Imperiled   | No  | N/A  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Land Use/ Cover  | Yes   | N/A/<br>HYDRIC PINE FLATWOODS                |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Candidate Mussels  | No  | N/A  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |
| Sturgeon C.H.  | No  | N/A  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |

Notes: High gradient US

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| Unnamed tributary   | wa-0716-r-007                     | Sedimentation Risk Index<br><b>40</b>   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
|---|-----------------------------------|---|---------|--------------|-------------------------|---------|----|-------------------------|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|--|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-------|---|---------------------------|-------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-------|---|-----------------------------|-------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|
| <u>Common:</u> 3.9mi NE of Mossy Head<br><u>Drainage:</u> Shoal River<br><u>Land owner:</u> Jon Payne   | <u>GPS:</u> 30.765575, -86.254841 | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20-09-28000<br><u>Parcel No.:</u> 5.001<br><u>Road Name:</u> Trout Rd   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
|   |                                   |   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
|    |                                   |   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Crossing Structure: DS  |                                   | DS  |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: center;">Ranking</th> <th style="text-align: center;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td style="text-align: center;">WETLAND</td><td style="text-align: center;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td style="text-align: center;">DA</td><td style="text-align: center;">3</td></tr> <tr><td><i>DS Bank Alteration</i></td><td style="text-align: center;">HIGH</td><td style="text-align: center;">1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td style="text-align: center;">&lt;5°</td><td style="text-align: center;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td style="text-align: center;">Fair/Rip Rap</td><td style="text-align: center;">3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td style="text-align: center;">No Impairment</td><td style="text-align: center;">5</td></tr> <tr><td><i>Road Approach Material</i></td><td style="text-align: center;">All Sand/Clay</td><td style="text-align: center;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td style="text-align: center;">21-40 y³</td><td style="text-align: center;">3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td style="text-align: center;">&lt;2%</td><td style="text-align: center;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td style="text-align: center;">&lt;0.20</td><td style="text-align: center;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td style="text-align: center;">Other</td><td style="text-align: center;">0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td style="text-align: center;">Other</td><td style="text-align: center;">0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td style="text-align: center;">Bare soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td style="text-align: center;">Bare soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td style="text-align: center;">Other</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td style="text-align: center;">Other</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td style="text-align: center;">Bare soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td style="text-align: center;">Bare soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Outlet Total</i></td><td style="text-align: center;">Unimproved Outlet System</td><td style="text-align: center;">1</td></tr> <tr><td><i>Ditches Total</i></td><td style="text-align: center;">Unimproved Drainage System</td><td style="text-align: center;">1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: center;"><b>Medium Risk</b></td><td style="text-align: center;"><b>40</b></td></tr> </tbody> </table> |                                   | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | WETLAND | 5  | <i>DS Channel Morph</i> | DA              | 3   | <i>DS Bank Alteration</i>         | HIGH               | 1   | <i>Upstream Skew Angle</i>                         | <5°             | 5   | <i>Crossing fill condition</i>   | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Other | 0 | <i>Upstream Lt Outlet</i> | Other | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Other | 0 | <i>Downstream Lt Outlet</i> | Other | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor   | Ranking                           | Score   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>US Channel Morph</i>   | WETLAND                           | 5   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>DS Channel Morph</i>   | DA                                | 3   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>DS Bank Alteration</i>   | HIGH                              | 1   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Skew Angle</i>  | <5°                               | 5   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap                      | 3   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                     | 5   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Road Approach Material</i>   | All Sand/Clay                     | 3   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³                          | 3   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Approach Slope Mean</i>  | <2%                               | 5   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Soil K Factor</i>  | <0.20                             | 5   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Rt Outlet</i>   | Other                             | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Lt Outlet</i>   | Other                             | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                         | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                         | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Rt Outlet</i>   | Other                             | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Lt Outlet</i>   | Other                             | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                         | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                         | 0   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Outlet Total</i>   | Unimproved Outlet System          | 1   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <i>Ditches Total</i>  | Unimproved Drainage System        | 1   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>                | <b>40</b>   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 4,8,17,18,33<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 1.0in  |                                   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: center;">Within Range</th> <th style="text-align: center;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Wetland Species</td><td style="text-align: center;">Yes</td><td style="text-align: center;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td style="text-align: center;">Yes</td><td style="text-align: center;">SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER</td></tr> <tr><td>Land Use/ Cover</td><td style="text-align: center;">Yes</td><td style="text-align: center;">VACANT RESIDENTIAL/ MDC-LOW DENSITY, MIXED UNITS (FIXED AND MOBILE HOME UNITS)</td></tr> <tr><td>Candidate Mussels</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Sturgeon C.H.</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)  | No | N/A                     | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER | Land Use/ Cover | Yes | VACANT RESIDENTIAL/ MDC-LOW DENSITY, MIXED UNITS (FIXED AND MOBILE HOME UNITS) | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Feature   | Within Range                      | Descriptive Field   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| 303(d)  | No                                | N/A   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Wetland Species   | Yes                               | 1-3 FOCAL SPECIES IN UPLAND AREAS   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Rare and Imperiled  | Yes                               | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER  |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Land Use/ Cover   | Yes                               | VACANT RESIDENTIAL/ MDC-LOW DENSITY, MIXED UNITS (FIXED AND MOBILE HOME UNITS)  |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Candidate Mussels   | No                                | N/A   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| Sturgeon C.H.   | No                                | N/A   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |
| <u>Notes: Outlets BMPs</u> <hr/> <hr/> <hr/>  |                                   |   |         |              |                         |         |    |                         |                 |     |                                   |                    |     |  |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |       |   |                           |       |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |

| <b>Unnamed tributary</b>  | <b>wa-0716-r-008</b>   | <i>Sedimentation Risk Index</i><br><b>40</b>        |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
|---|--|---|-------|-------------------------|---------|---|-------------------------|---------|---|---------------------------|------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-------|---|-----------------------------|-------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|-------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 3.8mi NE of Mossy Head<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.766089, -86.257383<br><u>Land owner:</u> Shannon Fugit-US, Glennon Kingsley-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20-08-28000<br><u>Parcel No.:</u> 4.0010; 4.0070<br><u>Road Name:</u> Trout Dr | <u>State:</u> Florida                               |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
|    |    | <b>DS</b>   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <b>Crossing Structure: US</b>   |  |   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>WETLAND</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>WETLAND</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Other</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Other</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Other</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><b>Outlet Total</b></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><b>Ditches Total</b></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>40</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 15,17,31,33,35<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | WETLAND | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Other | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Other | 0 | <i>Downstream Lt Outlet</i> | Other | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | 1 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>HYDRIC PINE FLATWOODS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER | Land Use/ Cover | Yes | N/A/<br>HYDRIC PINE FLATWOODS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>   | WETLAND  | 5   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>   | WETLAND  | 5   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>   | Other  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>   | Other  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>   | Other  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <b>Outlet Total</b>   | Unimproved Outlet System   | 1   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <b>Ditches Total</b>  | Unimproved Drainage System   | 1   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                                   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | N/A/<br>HYDRIC PINE FLATWOODS                       |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A   |       |                         |         |   |                         |         |   |                           |      |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |       |   |                           |           |   |                          |           |   |                          |           |   |                             |       |   |                             |       |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |                               |                   |    |     |               |    |     |  |

Notes: Outlet BMPs

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# Battle Creek

wa-0707-r-001

Sedimentation Risk Index

**42**

Common: 2.3mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.767306, -86.288072  
Land owner: Anthony & Deborah Farrantello-DS, Marie Berry-US

County: Walton State: Florida  
PLSS(T-R-S): 3N-20-07  
Parcel No.: 21.0011;020.0010  
Road Name: Unpaved road off Squire Way



Crossing Structure: US



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Native Soil                    | 1         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 6,17,18,31,32,33,34  
Rt Approach Prism Fill: 9.0in  
Lt Approach Prism Fill: 3.5in



| Feature            | Within Range | Descriptive Field                         |
|--------------------|--------------|---|
| 303(d)             | No           | N/A                                       |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS         |
| Rare and Imperiled | No           | N/A                                       |
| Land Use/ Cover    | Yes          | VACANT RESIDENTIAL/ HYDRIC PINE FLATWOODS |
| Candidate Mussels  | No           | N/A                                       |
| Sturgeon C.H.      | No           | N/A                                       |

Notes: Not sure if this is a county-maintained road.

| Unnamed tributary   | wa-1005-r-006  | Sedimentation Risk Index<br><b>46</b>         |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|---|--|---|--------------|-------------------------|--------|----|-------------------------|-----------------|-----|-----------------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 2.4mi NE of Mossy Head<br><u>Drainage:</u> Battle Creek <u>GPS:</u> 30.772010514, -86.294946031<br><u>Land owner:</u> Joseph & Carolyn Guzzo-US, Pamela Jane Pillitteri-DS   | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 3N-21-12-37050<br><u>Parcel No.:</u> 2.0060; 3.0020<br><u>Road Name:</u> Red Oak Rd  | <u>State:</u> Florida                         |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|    |    | DS  |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: DS  |  |   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
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| Risk Factor   | Ranking  | Score   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | C  | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | >4%  | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>46</b>                                     |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert,1<br/> <u>Crossing Materials:</u> Other<br/> <u>Soil Types:</u> 17,31,33<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.5in       </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>PARCELS WITH NO VALUES/ HYDRIC PINE FLATWOODS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature                                       | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | PARCELS WITH NO VALUES/ HYDRIC PINE FLATWOODS | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Feature   | Within Range   | Descriptive Field                             |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| 303(d)  | No   | N/A   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS             |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Rare and Imperiled  | No   | N/A   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Land Use/ Cover   | Yes  | PARCELS WITH NO VALUES/ HYDRIC PINE FLATWOODS |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Candidate Mussels   | No   | N/A   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Sturgeon C.H.   | No   | N/A   |              |                         |        |    |                         |                 |     |                                   |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |

Notes: Unknown culvert material- buried. Water welling up from the ground.

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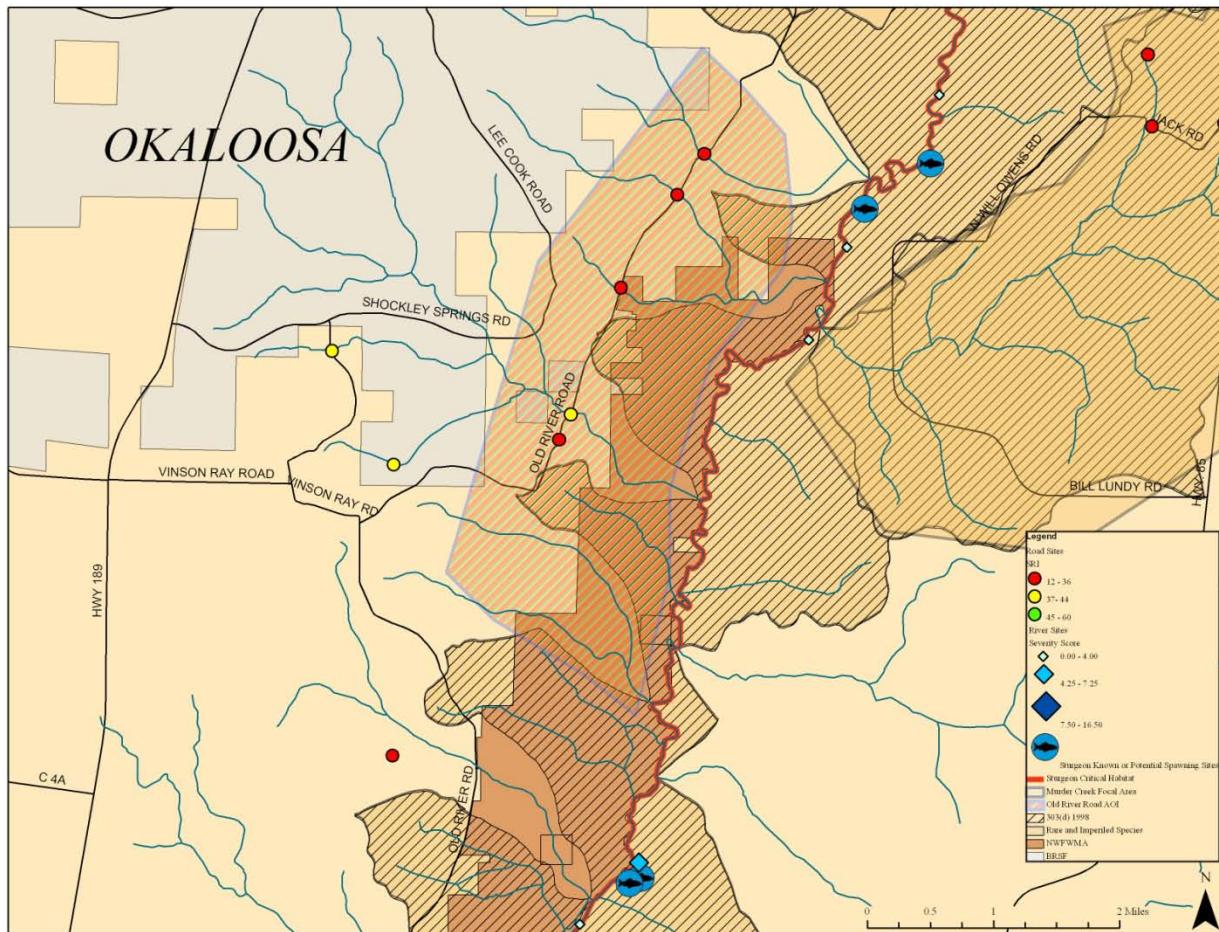


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Appendix M. Old River Road Area of Interest. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



# Bear Branch

ok-0512-r-004

Sedimentation Risk Index  
**28**

Common: 8.1m NW of Crestview  
Drainage: Yellow River      GPS: 30.876536310, -86.606435802  
Land owner: NWFMD- DS, A.R. Cook- US

County: Okaloosa  
PLSS(T-R-S): 4N-24-01  
Parcel No.: 1, 1.001  
Road Name: Old River Rd



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <b>Outlet Total</b>                 | Partially Improved Outlet System | 3         |
| <b>Ditches Total</b>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>28</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 23,36,37,38,39,41,43,44,52,56  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | OTHER/HARDWOOD CONIFEROUS-MIXED   |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: DS outfall drop, rip rap in stream bed. Fencing across US inlet. Fish passage barrier.

| Unnamed tributary   | ok-0512-r-006  | Sedimentation Risk Index<br><b>32</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
|---|--|---|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|-----------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 7.2mi NW of Crestview<br><u>Drainage:</u> Deadfall Creek<br><u>Land owner:</u> Cheryl Mack   | <u>GPS:</u> 30.859214, -86.614747  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-24-11<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Old River Rd |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
|    |    |   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Crossing Structure: DS  | US   |   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>DA</td><td>3</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>High Risk</b></td><td><b>32</b></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | DA              | 3  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>    | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>High Risk</b> | <b>32</b> |  |  |
| Risk Factor   | Ranking  | Score   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>   | DA   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Outlet Total</i>   | Unimproved Outlet System   | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <b>SRI Total</b>  | <b>High Risk</b>   | <b>32</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 23,36,37,38,39,41,43,44,52,56<br/> <u>Rt Approach Prism Fill:</u> 2.0in<br/> <u>Lt Approach Prism Fill:</u> 2.0in       </p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>HARDWOOD CONIFEROUS-MIXED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature   | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>HARDWOOD CONIFEROUS-MIXED | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Feature   | Within Range   | Descriptive Field   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| 303(d)  | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Wetland Species   | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Rare and Imperiled  | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Land Use/ Cover   | Yes  | N/A/<br>HARDWOOD CONIFEROUS-MIXED   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Candidate Mussels   | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |
| Sturgeon C.H.   | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                  |           |   |  |

Notes: Fencing around US undersized culvert.

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# Reedy Creek

ok-0512-r-003

Sedimentation Risk Index

**34**

Common: 8.9mi N of Crestview  
Drainage: Yellow River GPS: 30.887350, -86.598839  
Land owner: Mark Davis-DS, Mary Keeling- US

County: Okaloosa  
PLSS(T-R-S): 5N-24-36  
Parcel No.: 7.002, 7.0  
Road Name: Old River Rd

State: Florida



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert/Stand Pipe, 1  
Crossing Materials: Metal  
Soil Types: 6,36,37,39,40,41,43,44,45,49,50  
Rt Approach Prism Fill: 0.05in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Rt approach paved to hilltop. Fish passage barrier. Second stand pipe US adjacent to Rt approach

# Polley Creek

ok-0512-r-002

Sedimentation Risk Index  
**34**

Common: 9mi N of Crestview  
Drainage: Yellow River      GPS: 30.892023, -86.595242  
Land owner: The H.T.L Family Ltd Ptr

County: Okaloosa  
PLSS(T-R-S): 5N-24-36  
Parcel No.: 3  
Road Name: Old River Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>WET PRARIES |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 12,16,23,36,37,40,41,43,44,49  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 2.0in

Notes: US outlet has high levels of sedimentation

# Deadfall Creek

ok-0512-r-005

Sedimentation Risk Index  
**40**

Common: 7.4mi NW of Crestview  
Drainage: Yellow River      GPS: 30.862141426, -86.613178012  
Land owner: Cheryl Mack

County: Okaloosa  
PLSS(T-R-S): 4N-24-11  
Parcel No.: 3  
Road Name: Old River Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

## Additional Site Features

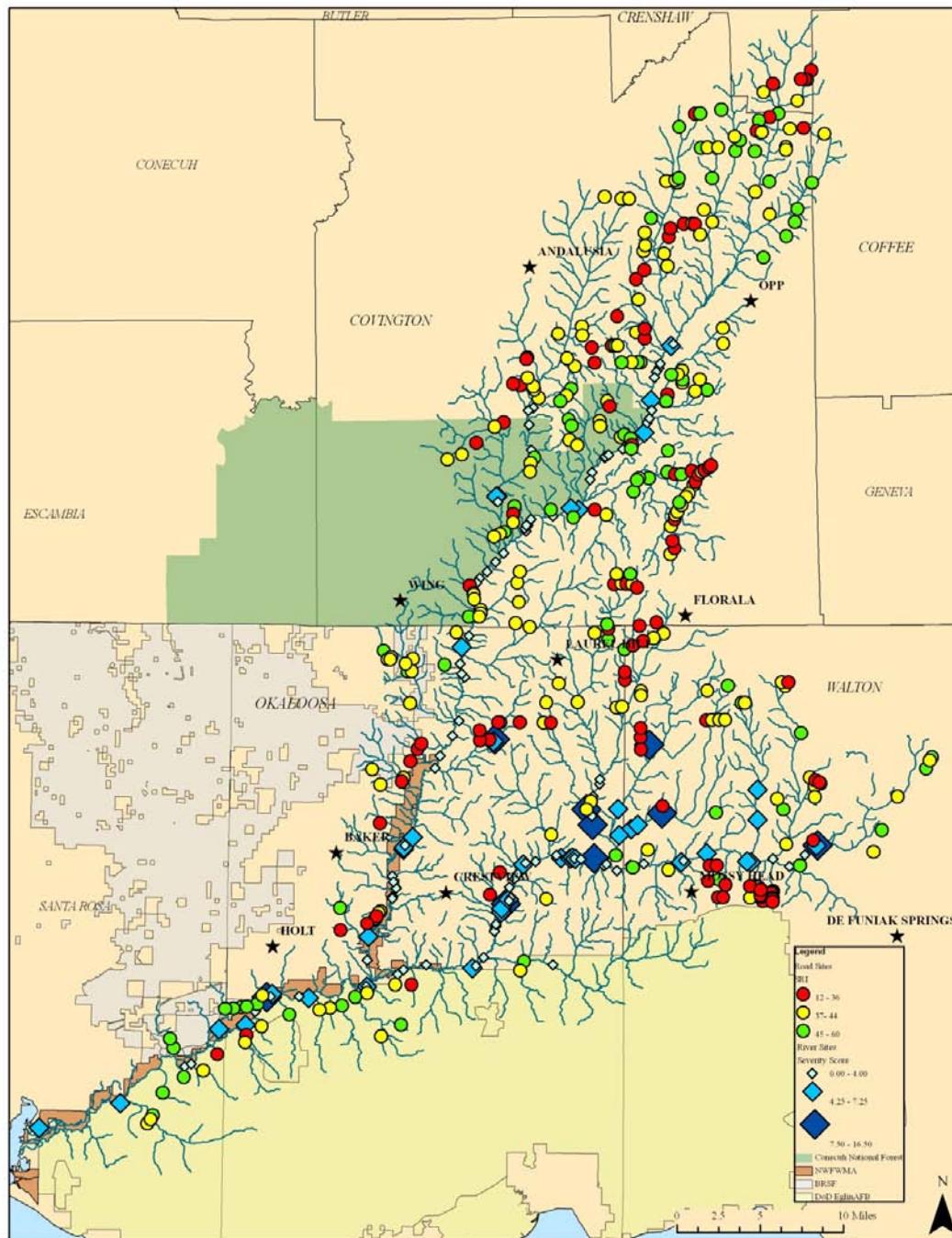
Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 23,36,37,38,39,41,43,44,52,56  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                                 |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ ELECTRICAL POWER TRANSMISSION LINES |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: DS altered by power line crossing.

Appendix N. Other impaired river corridor and unpaved road crossing sites. Sites with blue headings are river corridor sites; sites with orange headings are unpaved road sites. Specific definitions and calculations described for calculating the river severity score are detailed in USFWS (2005a) and USFWS (2006); sediment Risk Index (SRI) are detailed in Witmer (2009).



| Gum Creek   | wa-1026-001  | Severity Score<br>10.5   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
|---|--|--|-------|--------------------------|------|---|---------------------------|-------------|---|---------------------|--------|---|-------------|------|-----|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|---------|-----|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|------|------------------------------|------|------|----------------------------|--|-------------|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|------------------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|------------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 7.3mi NE of De Funiak Springs, .04mi DS HWY 331<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.801519827, -86.194956251<br><u>Land owner:</u> Christopher Marshall   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-20W-36<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
|    |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>RB</b>   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Active</td> <td>1</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>10.5</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 0.5 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Present | 1.5 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | None | 0.25 | <b>River Threat Index:</b> |  | <b>10.5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>RESIDENTIAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> Rip Rap</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | RESIDENTIAL/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> Rip Rap |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand and Clay |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Alteration</i>   | In Recovery  | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>BEHI</i>   | High   | 0.5  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Local NPSP</i>   | Obvious Sources  | 1.5  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Fish Passage Barrier</i>   | Present  | 1.5  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Floodplain Access</i>  | None   | 0.75   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Floodplain Access</i>  | None   | 0.25   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>  |  | <b>10.5</b>  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>303(d)</b>   | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Wetland Species</b>  | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Rare and Imperiled</b>   | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | RESIDENTIAL/ STREAMS AND WATERWAYS   |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> Rip Rap  |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |      |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |         |     |                            |         |      |                            |         |      |                              |      |      |                              |      |      |                            |  |             |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                                    |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                              |  |  |   |  |  |                                     |  |  |  |

Notes: Rip rap has been used as a shoring structure around the bridge and large quantities have fallen in the stream channel causing a fish passage blockage during low flow stages. A house nearby is also noted as a source of NSPS.

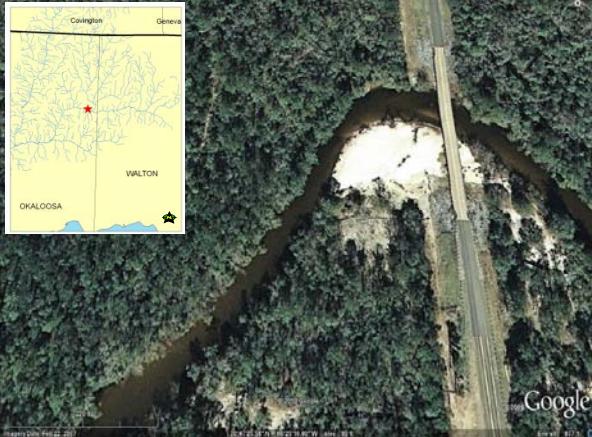
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| <b>Shoal River</b>  | <b>ok-0615-001</b>   | <b>Severity Score<br/>7.5</b>                      |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|---|--|--|-------|--------------------------|------|---|---------------------------|-------------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|---------|------|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|-----|--|------------------------|-----|-----------------------------|--------------------------|-----|--------------------|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 9.1mi NW of Crestview, CR 393 Bridge Crossing<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.79108517, -86.42064962<br><u>Land owner:</u> Donald Cunard  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-2<br><u>Parcel No.:</u> 6    | <u>State:</u> Florida                              |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <br><b>LB</b>  |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Active</td> <td>1</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td align="right"><b>River Threat Index:</b></td> <td align="center"><b>7.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>7.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>Yes</td> <td>SOUTHERN SANDSHELL</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td align="center" colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td align="center" colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3"><i>Substrate Composition:</i> Clay Marl</td></tr> <tr> <td align="center" colspan="3"><i>Bank Material:</i> Sand and Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | Yes | SOUTHERN SANDSHELL | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Clay Marl |  |  | <i>Bank Material:</i> Sand and Clay |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Alteration</i>   | In Recovery  | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Erosion</i>   | Active   | 1  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Local NPSP</i>   | Obvious Sources  | 1.5  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>  | <b>7.5</b>   |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Feature   | Within Range   | Descriptive Field                                  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>303(d)</b>   | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Wetland Species</b>  | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A / STREAMS AND WATERWAYS                        |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Candidate Mussels</b>  | Yes  | SOUTHERN SANDSHELL                                 |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> None   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Clay Marl   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay   |  |  |       |                          |      |   |                           |             |   |                     |        |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |         |      |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                             |                          |     |                    |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |

Notes: Rip rap used as shoring structure underneath CR 393 bridge. Power line crossing, bridge, and anthropomorphic evidence at this site. House boat being stored/lived in under bridge.

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| Yellow River   | co-0813-004   | Severity Score<br>7  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|--|---|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------------|-----|-------------|--------------------|-----|-------------------|--------------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|------|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|--|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 10.3 miles SW of Opp, 2 miles DS from CR 32<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.801519827, -86.194956251<br><u>Land owner:</u> Patricia Moody   | <u>County:</u> Covington<br><u>PLSS:</u> 2N-17E-5<br><u>Parcel No.:</u> 5/156AC   | <u>State:</u> Alabama  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <br><b>LB</b>   | <br><b>© 2018 Google</b><br><b>Image © 2018 DigitalGlobe</b><br><b>Imagery Date Aug 30, 2007</b><br><b>21°18'42.31"N 86°22'22.36"W</b><br><b>Scale: 1:164,000</b> | <br><b>Covington</b><br><b>Okaloosa</b><br><b>Geneva</b><br><b>Walton</b> |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Poor</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Mass wasting</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Extreme- Very High</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">Moderate Potential</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>7</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass wasting | 1.5 | <i>BEHI</i> | Extreme- Very High | 1.5 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> | <b>7</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; 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| Risk Factor  | Ranking   | Score  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Stability</i>   | Poor  | 1.5  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Erosion</i>  | Mass wasting  | 1.5  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>BEHI</i>  | Extreme- Very High  | 1.5  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Local NPSP</i>  | Moderate Potential  | 1  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>LB: Floodplain Access</i>   | None  | 0.75   |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>   | <b>7</b>  |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Feature  | Within Range  | Descriptive Field  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Wetland Species</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Rare and Imperiled</b>  | No  | N/A  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST   |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>  |   |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> None  |   |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |   |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay  |   |  |       |                          |      |     |                           |      |   |                     |              |     |             |                    |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |

Notes: House/camp above bank. Uncharacteristic of this upper portion of the river. Some of the highest banks in the whole watershed.

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| Shoal River   | wa-0720-001   | Severity Score<br>6.75                             |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
|---|---|--|-------|--------------------------|------|---|---------------------------|----------------------------|-----|---------------------|----------|-----|-------------|------|---|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|--|-------------|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|------------------------------------|---------------------------|-----|--|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|---|
| <u>Common:</u> 3.5mi N of Mossy Head, HWY 285 Bridge Crossing<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.795099684, -86.307253847<br><u>Land owner:</u> RB: Matthew Braley/ LB: Charlie Sierra Association Inc   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-21W-35<br><u>Parcel No.:</u> 1.004/ 1 | <u>State:</u> Florida                              |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <br>LB   |     |  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>Historic, Mostly Recovered</td> <td>0.5</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>6.75</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | Historic, Mostly Recovered | 0.5 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> |  | <b>6.75</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <p><b>Additional Site Features</b></p> <p><u>Stream Channel Woody Material:</u> Infrequent</p> <p><u>Impoundments:</u> None</p> <p><u>Substrate Composition:</u> Medium Sand</p> <p><u>Bank Material:</u> Medium Sand</p> |
| Risk Factor   | Ranking   | Score  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Channel Stability</i>  | Fair  | 1  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Channel Alteration</i>   | Historic, Mostly Recovered  | 0.5  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Bank Erosion</i>   | Historic  | 0.5  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>BEHI</i>   | High  | 1  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Local NPSP</i>   | Obvious Sources   | 1.5  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Shoring Structures</i>   | Present   | 1.5  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Pipe Discharge</i>   | Not Present   | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Water Odors</i>  | Not Present   | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>RB: Riparian Buffer</i>  | 100+ ft   | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>RB: Floodplain Access</i>  | Full  | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <i>LB: Floodplain Access</i>  | Full  | 0  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>River Threat Index:</b>  |   | <b>6.75</b>  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| Feature   | Within Range  | Descriptive Field                                  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>303(d)</b>   | No  | N/A  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>Wetland Species</b>  | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS                 |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>Rare and Imperiled</b>   | Yes   | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>Land Use/ Cover</b>  | Yes   | PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS      |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>Candidate Mussels</b>  | No  | N/A  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |
| <b>Sturgeon C.H.</b>  | No  | N/A  |       |                          |      |   |                           |                            |     |                     |          |     |             |      |   |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |  |             |   |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |   |                          |    |     |                      |    |     |   |

Notes: Bridge crossing at New Harmony Rd and power lines. OFW  
 Unimproved boat launch/access area. Shallow all the way across.

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| Yellow River  |  | sr-0304-001   | Severity Score<br>6.25 |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
|---|--|---|------------------------|-------|-------------------|-----------|---|--------------------|------|---|--------------|----------|-----|------|----------|-----|------------|-----------------|-----|--------------------|---------|-----|----------------|---------|-----|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|--|--|--|---------|--------------|-------------------|--------|-----|--------------------------------------|-----------------|-----|------------------------------------|--------------------|-----|---|-----------------|-----|----------------------------|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|---------------------------------------|--|------------|----------------------|--|------|-------------------------------|--|-------------|-----------------------|--|--------------------------|
| <u>Common:</u> 3.8mi SE of Bagdad<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.557516, -86.98225<br><u>Land owner:</u> RB: Otis Brown & Leila Mae / LB: NFWFMD   | <u>County:</u> Santa Rosa<br><u>PLSS(T-R-S):</u> 1N-27W-31<br><u>Parcel No.:</u> 1/2 | <u>State:</u> Florida   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <br>RB   |  |   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>Channel Stability</td><td>Excellent</td><td>0</td></tr> <tr><td>Channel Alteration</td><td>None</td><td>0</td></tr> <tr><td>Bank Erosion</td><td>Historic</td><td>0.5</td></tr> <tr><td>BEHI</td><td>Moderate</td><td>0.5</td></tr> <tr><td>Local NPSP</td><td>Obvious Sources</td><td>1.5</td></tr> <tr><td>Shoring Structures</td><td>Present</td><td>1.5</td></tr> <tr><td>Pipe Discharge</td><td>Present</td><td>1.5</td></tr> <tr><td>Water Odors</td><td>Not Present</td><td>0</td></tr> <tr><td>Fish Passage Barrier</td><td>Not Present</td><td>0</td></tr> <tr><td>RB: Riparian Buffer</td><td>0-29 ft</td><td>0.75</td></tr> <tr><td>LB: Riparian Buffer</td><td>100+ ft</td><td>0</td></tr> <tr><td>RB: Floodplain Access</td><td>Full</td><td>0</td></tr> <tr><td>LB: Floodplain Access</td><td>Full</td><td>0</td></tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>6.25</b></td><td></td></tr> </tbody> </table> |  | Risk Factor   | Ranking                | Score | Channel Stability | Excellent | 0 | Channel Alteration | None | 0 | Bank Erosion | Historic | 0.5 | BEHI | Moderate | 0.5 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Present | 1.5 | Pipe Discharge | Present | 1.5 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 0-29 ft | 0.75 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> |  | <b>6.25</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>Yes</td><td>DISSOLVED OXYGEN, TURBIDITY, MERCURY</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN WETLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER, GULF STURGEON, ALABAMA SHAD, ALLIGATOR GAR, SPECKLED DARTER, SPOTTED BULLHEAD</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ STREAMS AND WATERWAYS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>Yes</td><td>N/A</td></tr> <tr> <td colspan="2"><b>Additional Site Features</b></td><td></td></tr> <tr><td colspan="2"><i>Stream Channel Woody Material:</i></td><td>Infrequent</td></tr> <tr><td colspan="2"><i>Impoundments:</i></td><td>None</td></tr> <tr><td colspan="2"><i>Substrate Composition:</i></td><td>Medium Sand</td></tr> <tr><td colspan="2"><i>Bank Material:</i></td><td>Wood, Concrete, and Sand</td></tr> </tbody> </table> |  | Feature | Within Range | Descriptive Field | 303(d) | Yes | DISSOLVED OXYGEN, TURBIDITY, MERCURY | Wetland Species | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER, GULF STURGEON, ALABAMA SHAD, ALLIGATOR GAR, SPECKLED DARTER, SPOTTED BULLHEAD | Land Use/ Cover | Yes | N/A/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> |  | Infrequent | <i>Impoundments:</i> |  | None | <i>Substrate Composition:</i> |  | Medium Sand | <i>Bank Material:</i> |  | Wood, Concrete, and Sand |
| Risk Factor   | Ranking  | Score   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Channel Stability   | Excellent  | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Channel Alteration  | None   | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Bank Erosion  | Historic   | 0.5   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| BEHI  | Moderate   | 0.5   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Local NPSP  | Obvious Sources  | 1.5   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Shoring Structures  | Present  | 1.5   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Pipe Discharge  | Present  | 1.5   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Water Odors   | Not Present  | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Fish Passage Barrier  | Not Present  | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| RB: Riparian Buffer   | 0-29 ft  | 0.75  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| LB: Riparian Buffer   | 100+ ft  | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| RB: Floodplain Access   | Full   | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| LB: Floodplain Access   | Full   | 0   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <b>River Threat Index:</b>  |  | <b>6.25</b>   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Feature   | Within Range   | Descriptive Field   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| 303(d)  | Yes  | DISSOLVED OXYGEN, TURBIDITY, MERCURY  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN WETLAND AREAS  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Rare and Imperiled  | Yes  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER, GULF STURGEON, ALABAMA SHAD, ALLIGATOR GAR, SPECKLED DARTER, SPOTTED BULLHEAD |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Land Use/ Cover   | Yes  | N/A/ STREAMS AND WATERWAYS  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Candidate Mussels   | No   | N/A   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| Sturgeon C.H.   | Yes  | N/A   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <b>Additional Site Features</b>   |  |   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <i>Stream Channel Woody Material:</i>   |  | Infrequent  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <i>Impoundments:</i>  |  | None  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <i>Substrate Composition:</i>   |  | Medium Sand   |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |
| <i>Bank Material:</i>   |  | Wood, Concrete, and Sand  |                        |       |                   |           |   |                    |      |   |              |          |     |      |          |     |            |                 |     |                    |         |     |                |         |     |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |  |  |         |              |                   |        |     |                                      |                 |     |                                    |                    |     |   |                 |     |                            |                   |    |     |               |     |     |                                 |  |  |                                       |  |            |                      |  |      |                               |  |             |                       |  |                          |

Notes: Pipe discharge on right bank. Residential community at delta of river.  
 High amount of shoring structures. Public boat launch.

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| Gum Creek  | wa-1026-002   | Severity Score<br>6            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|--|---|--------------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|--------------|-----|------|--------|---|------------|--------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|------|------|----------------------------|--|----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--------------------------------|-------------------|----|-----|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-------------------------------------|--|--|--|
| <u>Common:</u> 7.4mi NW of DeFuniak Springs, 0.1mi DS HWY 331<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.800967838, -86.196253398<br><u>Land owner:</u> Kenneth Seigler  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-20W-36<br><u>Parcel No.:</u> 2.2006 | <u>State:</u> Florida          |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
|   |   | LB                             |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Poor</td> <td>1.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Mass Wasting</td> <td>1.5</td> </tr> <tr> <td>BEHI</td> <td>Active</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>Slight</td> <td>0.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>None</td> <td>0.75</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>6</b></td></tr> </tbody> </table> | Risk Factor   | Ranking                        | Score | Channel Stability | Poor | 1.5 | Channel Alteration | None | 0 | Bank Erosion | Mass Wasting | 1.5 | BEHI | Active | 1 | Local NPSP | Slight | 0.5 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | None | 0.75 | <b>River Threat Index:</b> |  | <b>6</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>RESIDENTIAL/ IMPROVED PASTURES</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | RESIDENTIAL/ IMPROVED PASTURES | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand and Clay |  |  |  |
| Risk Factor  | Ranking   | Score                          |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Channel Stability  | Poor  | 1.5                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Channel Alteration   | None  | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Bank Erosion   | Mass Wasting  | 1.5                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| BEHI   | Active  | 1                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Local NPSP   | Slight  | 0.5                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Shoring Structures   | Not Present   | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Pipe Discharge   | Not Present   | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Water Odors  | Not Present   | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Fish Passage Barrier   | Not Present   | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| RB: Riparian Buffer  | 100+ ft   | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| LB: Riparian Buffer  | 0-29 ft   | 0.75                           |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| RB: Floodplain Access  | Full  | 0                              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| LB: Floodplain Access  | None  | 0.75                           |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>River Threat Index:</b>   |   | <b>6</b>                       |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Feature  | Within Range  | Descriptive Field              |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| 303(d)   | No  | N/A                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Wetland Species  | No  | N/A                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Rare and Imperiled   | No  | N/A                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Land Use/ Cover  | Yes   | RESIDENTIAL/ IMPROVED PASTURES |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Candidate Mussels  | No  | N/A                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| Sturgeon C.H.  | No  | N/A                            |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <b>Additional Site Features</b>  |   |                                |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |                                |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Impoundments:</i> None  |   |                                |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |   |                                |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |
| <i>Bank Material:</i> Sand and Clay  |   |                                |       |                   |      |     |                    |      |   |              |              |     |      |        |   |            |        |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |      |      |                            |  |          |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                     |  |  |  |

Notes: Steep bank, clear cut land above. Bank is 22ft high.

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| <b>Yellow River</b>  | <b>co-0819-002</b>  | <b>Severity Score<br/>6</b>  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
|--|---|--|-------|--------------------------|------|-----|---------------------------|----------------------------|-----|---------------------|-------------|---|-------------|----------|-----|-------------------|-----------------|-----|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|-------------------|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 8.8mi SW of Opp, Co Rd 32 bridge crossing<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.190733, -86.360961<br><u>Land owner:</u> Rayonier Woodlands   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 3N-17E-33<br><u>Parcel No.:</u> LLC 1/572AC | <u>State:</u> Alabama  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
|  <span style="font-weight: bold;">RB</span>   |   |  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">Historic, Mostly Recovered</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Not Eroding</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSR</i></td><td style="padding: 2px;">Obvious Sources</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Present</td><td style="padding: 2px;">1.5</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">0-29 ft</td><td style="padding: 2px;">0.75</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px; text-align: right;"><b>River Threat Index:</b></td><td style="padding: 2px; text-align: center;"><b>6</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | Historic, Mostly Recovered | 0.5 | <i>Bank Erosion</i> | Not Eroding | 0 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSR</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>6</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A / PASTURE/HAY</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | N/A / PASTURE/HAY | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Infrequent<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand</p> |
| Risk Factor  | Ranking   | Score  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Good  | 0.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | Historic, Mostly Recovered  | 0.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | Not Eroding   | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | Moderate  | 0.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Local NPSR</i>  | Obvious Sources   | 1.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Present   | 1.5  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | Full  | 0  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   | <b>6</b>  |  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| Feature  | Within Range  | Descriptive Field  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | No  | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | No  | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / PASTURE/HAY  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |     |                           |                            |     |                     |             |   |             |          |     |                   |                 |     |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |      |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |                   |                          |    |     |                      |    |     |  |

Notes: Bridge crossing and campsite. Rip rap and concrete used as shoring structure.

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| <b>Shoal River</b>  | <b>wa-1009-002</b>   | <b>Severity Score<br/>5.5</b>                      |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
|---|--|--|-------|--------------------------|------|-----|---------------------------|-------------|---|---------------------|----------|-----|-------------|---------------|---|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|----------|------|----------------------------|----------|------|------------------------------|---------|------|------------------------------|---------|------|----------------------------|------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|------------------------------------|---------------------------|-----|--|------------------------|-----|----------------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|--|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 2.6mi N of Oakwood Hills Development near Mossy Head<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.786979658, -86.262246396<br><u>Land owner:</u> NWFL Girl Scouts   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-20W-5<br><u>Parcel No.:</u> 1      | <u>State:</u> Florida                              |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <br><b>LB</b>  |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Low- Very Low</td> <td>0</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Moderate Potential</td> <td>1</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Present</td> <td>1.5</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>50-99 ft</td> <td>0.25</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>50-99 ft</td> <td>0.25</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>5.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Low- Very Low | 0 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>LB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>5.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>RECREATION/ WETLAND FORESTED MIX</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> Manmade (Wooden Bridge)</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | RECREATION/ WETLAND FORESTED MIX | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> Manmade (Wooden Bridge) |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | In Recovery  | 1  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Low- Very Low  | 0  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | Moderate Potential   | 1  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 50-99 ft   | 0.25   |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft   | 0.25   |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25   |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>5.5</b>   |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field                                  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>   | No   | N/A  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN WETLAND AREAS                 |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | RECREATION/ WETLAND FORESTED MIX                   |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | No   | N/A  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> Manmade (Wooden Bridge)  |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |  |       |                          |      |     |                           |             |   |                     |          |     |             |               |   |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |          |      |                            |          |      |                              |         |      |                              |         |      |                            |            |  |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                                  |                          |    |     |                      |    |     |                                 |  |  |  |  |  |  |  |  |   |  |  |                            |  |  |  |

Notes: Hurricane Ivan damaged bridge structure- formerly Girl Scout Rd.

Pieces of bridge were found DS washed into trees .

OFW.

| <b>Shoal River</b>  | <b>ok-0422-007</b>  | <b>Severity Score<br/>5.5</b>  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
|---|---|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|--------------------|---|---------------------------|-------------|---|-----------------------|---------|-----|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|----------|-----|----------------------------|---------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|--|------------|---|--|
| <u>Common:</u> 4.7mi SE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.695776786, -86.544244906<br><u>Land owner:</u> RB: Haiseal Timber Co/ LB: Newman & Julie Bush  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-23W-4<br><u>Parcel No.:</u> 3/3.001 | <u>State:</u> Florida  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
|    |   |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <b>LB</b>   |   |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
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| Risk Factor   | Ranking   | Score  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Channel Stability</i>  | Good  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Channel Alteration</i>   | None  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Bank Erosion</i>   | Historic  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>BEHI</i>   | Moderate  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Local NPSP</i>   | Moderate Potential  | 1  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Shoring Structures</i>   | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Pipe Discharge</i>   | Present   | 1.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Water Odors</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>RB: Riparian Buffer</i>  | 30-49 ft  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <i>LB: Floodplain Access</i>  | Partial   | 0.25   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |
| <b>River Threat Index:</b>  |   | <b>5.5</b>   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |         |     |                    |             |   |                             |             |   |                            |          |     |                            |         |      |                              |      |   |                              |         |      |                            |  |            |   |  |

Notes: Pipe Discharge coming from a PVC pipe on the left bank upstream from this site.

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| Yellow River  |                                 | ok-0424-004  | Severity Score<br>5.25  |              |   |
|---|---------------------------------|--|---|--------------|---|
| <u>Common:</u> 3.8mi SE of Crestview  | <u>Drainage:</u> Blackwater Bay | <u>GPS:</u> 30.799722, -86.613524  | <u>County:</u> South<br><u>PLSS(T-R-S):</u> 4N-24W-35/36<br><u>Parcel No.:</u> 1/ 1 |              |   |
| <u>Land owner:</u> RB: NFWFMD/ LB: Hervis Ward                                    |                                 |  | <u>State:</u> Florida   |              |   |
|  |                                 |  |   |              |   |
| <b>LB</b>   |                                 |  |   |              |   |
| Risk Factor   | Ranking                         | Score  | Feature   | Within Range | Descriptive Field   |
| <i>Channel Stability</i>  | Fair                            | 1  | <b>303(d)</b>   | Yes          | COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>   | None                            | 0  | <b>Wetland Species</b>  | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>   | Active                          | 1  | <b>Rare and Imperiled</b>   | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>   | Moderate                        | 0.5  | <b>Land Use/ Cover</b>  | Yes          | AGRICULTURAL/ STREAM AND LAKE SWAMPS (BOTTOMLAND)   |
| <i>Local NPSP</i>   | Moderate Potential              | 1  | <b>Candidate Mussels</b>  | No           | N/A   |
| <i>Shoring Structures</i>   | Present                         | 1.5  | <b>Sturgeon C H</b>   | Yes          | N/A   |
| <i>Pipe Discharge</i>   | Not Present                     | 0  | <b>Additional Site Features</b>   |              |   |
| <i>Water Odors</i>  | Not Present                     | 0  | <i>Stream Channel Woody Material:</i> Infrequent                                    |              |   |
| <i>Fish Passage Barrier</i>   | Not Present                     | 0  | <i>Impoundments:</i> None   |              |   |
| <i>RB: Riparian Buffer</i>  | 100+ ft                         | 0  | <i>Substrate Composition:</i> Medium Sand   |              |   |
| <i>LB: Riparian Buffer</i>  | 100+ ft                         | 0  | <i>Bank Material:</i> Sand  |              |   |
| <i>RB: Floodplain Access</i>  | Full                            | 0  |   |              |   |
| <i>LB: Floodplain Access</i>  | Partial                         | 0.25   |   |              |   |
| <b>River Threat Index:</b> 5.25   |                                 |  |   |              |   |

Notes: Fencing on top of bank- effecting erosion. Road 20ft from bank.

Shoring structure is concrete and covers less than 5 percent of bank.

Area is used as a hunting preserve.

| Yellow River  | co-0824-002  | Severity Score<br><b>5.25</b>   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
|---|--|---|---------|--------------|--------------------------|--------|-----|---------------------------|-----------------|----|---------------------|--------------------|----|-------------|-----------------|-----|---|--------------------|-----|---------------------------|--------------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|
| <u>Common:</u> 5.8mi SW of Opp<br><u>Drainage:</u> Blackwater Bay<br><u>Land owner:</u> Unknown   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 3N-17E-10<br><u>Parcel No.:</u> 8/75AC | <u>State:</u> Alabama   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
|    |  |   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
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| Risk Factor   | Ranking  | Score   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Channel Stability</i>  | Good   | 0.5   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Channel Alteration</i>   | None   | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Bank Erosion</i>   | Active   | 1   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>BEHI</i>   | Moderate   | 0.5   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Local NPSP</i>   | Moderate Potential   | 1   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Shoring Structures</i>   | Present  | 1.5   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Water Odors</i>  | Not Present  | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75  |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <b>River Threat Index:</b>  | <b>5.25</b>  |   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| <p><u>Notes:</u> None.</p> <hr/> <hr/> <hr/>  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px; vertical-align: top;">           N/A<br/>           EAST GULF COASTAL PLAIN INTERIOR<br/>           UPLAND LONGLEAF PINE WOODLAND -<br/>           LOBLOLLY MODIFIER         </td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">CHOCTAW BEAN</td></tr> <tr> <td style="padding: 2px;">Sturgeon C H</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> None<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Silt Loam     </p> | Feature | Within Range | Descriptive Field        | 303(d) | No  | N/A                       | Wetland Species | No | N/A                 | Rare and Imperiled | No | N/A         | Land Use/ Cover | Yes | N/A<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND -<br>LOBLOLLY MODIFIER | Candidate Mussels  | Yes | CHOCTAW BEAN              | Sturgeon C H | No  | N/A                   |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Feature   | Within Range   | Descriptive Field   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| 303(d)  | No   | N/A   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Wetland Species   | No   | N/A   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Rare and Imperiled  | No   | N/A   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Land Use/ Cover   | Yes  | N/A<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND -<br>LOBLOLLY MODIFIER   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Candidate Mussels   | Yes  | CHOCTAW BEAN  |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |
| Sturgeon C H  | No   | N/A   |         |              |                          |        |     |                           |                 |    |                     |                    |    |             |                 |     |   |                    |     |                           |              |     |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |   |                              |      |   |                            |             |  |

| Yellow River   | co-0807-008   | Severity Score<br>5.25   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|---|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-----------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|---------|------|----------------------------|--|-------------|---|---------|--------------|-------------------|---------------|-----|------------------|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|--|--------------------------|-----|-------------------------------------|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 9mi NW of Florala<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.095519537, -86.435215265<br><u>Land owner:</u> RB: Unknown/ LB: James & Mary Phillips   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-16E-34<br><u>Parcel No.:</u> RB: ? / LB: 13/49AC | <u>State:</u> Alabama  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>LB</b>   |                   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
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| Risk Factor  | Ranking   | Score  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Fair  | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Active  | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | Moderate  | 0.5  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>  | Obvious Sources   | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Present   | 1.5  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   |   | <b>5.25</b>  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range  | Descriptive Field  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>  | Yes   | METALS (MERCURY)   |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>  | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / EAST GULF COASTAL PLAIN<br>INTERIOR UPLAND LONGLEAF PINE<br>WOODLAND - LOBLOLLY MODIFIER |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>   | Yes   | FUZZY PIGTOE, SOUTHERN<br>SANDSHELL  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent   |   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |   |  |       |                          |      |   |                           |      |   |                     |        |   |             |          |     |                   |                 |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |  |             |   |         |              |                   |               |     |                  |                        |    |     |                           |    |     |                        |     |  |                          |     |                                     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Shoring structure under Hwy 55 bridge composed of concrete and rip rap.

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| Shoal River  | ok-0615-008   | Severity Score<br>5  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
|--|---|--|-------|--------------------------|------|---|---------------------------|-------------|---|---------------------|----------|---|-------------|-------------------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|------|----------------------------|--|----------|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|------------------------------------|---------------------------|-----|--|------------------------|-----|-------------------------------|--------------------------|----|-----|----------------------|----|-----|---|
| <u>Common:</u> 7.3mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.791739607, -86.454191381<br><u>Land owner:</u> RB: Haiseal Timber Co / LB: Catherine Canderson Trust  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-4<br><u>Parcel No.:</u> 4/4.004 | <u>State:</u> Florida  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
|   |   |  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>LB</b>  |   |  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>1</td> </tr> <tr> <td><i>BEHI</i></td> <td>Extreme-Very High</td> <td>1.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>5</b></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | In Recovery | 0 | <i>Bank Erosion</i> | Historic | 1 | <i>BEHI</i> | Extreme-Very High | 1.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> |  | <b>5</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER | <b>Land Use/ Cover</b> | Yes | N/A/<br>STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Moderate</p> <p><i>Impoundments:</i> None</p> <p><i>Substrate Composition:</i> Clay</p> <p><i>Bank Material:</i> Clay</p> |
| Risk Factor  | Ranking   | Score  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Channel Stability</i>   | Fair  | 1  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Channel Alteration</i>  | In Recovery   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Bank Erosion</i>  | Historic  | 1  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>BEHI</i>  | Extreme-Very High   | 1.5  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Local NPSP</i>  | No Evidence   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>LB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <i>LB: Floodplain Access</i>   | None  | 0.75   |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>River Threat Index:</b>   |   | <b>5</b>   |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| Feature  | Within Range  | Descriptive Field  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>Wetland Species</b>   | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS   |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER,SPECKLED CHUB,IRONCOLOR SHINER                                   |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>Land Use/ Cover</b>   | Yes   | N/A/<br>STREAMS AND WATERWAYS  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |   |                           |             |   |                     |          |   |             |                   |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |  |          |  |         |              |                   |               |    |     |                        |     |                                    |                           |     |  |                        |     |                               |                          |    |     |                      |    |     |   |

Notes: Private road leading to site.

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| Yellow River  | ok-0608-001  | Severity Score<br>5   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
|---|--|---|-------|--------------------------|------|---|---------------------------|------|---|---------------------|---------------------|-----|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|------|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|-----|-------------------------------|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|----------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|------------------------------------|--|--|----------------------------|--|--|--|
| <u>Common:</u> 4mi NW of Crestview<br><u>Drainage:</u> Blackwater Bay<br><u>Land owner:</u> Hervis Ward   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-24W-36<br><u>Parcel No.:</u> 1   | <u>State:</u> Florida   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
|    |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>LB</b>   |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Recent, No Recovery</td> <td>1.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td align="right"><b>River Threat Index:</b></td><td align="center"><b>5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Recent, No Recovery | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | None | 0.75 | <b>River Threat Index:</b> | <b>5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>COLIFORMS, TURBIDITY, MERCURY</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td align="center" colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td align="center" colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3"><i>Substrate Composition:</i> Clay</td></tr> <tr> <td align="center" colspan="3"><i>Bank Material:</i> Clay</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, TURBIDITY, MERCURY | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Clay |  |  | <i>Bank Material:</i> Clay |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Recent, No Recovery  | 1.5   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>BEHI</i>   | High   | 1   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75  |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | None   | 0.75  |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>5</b>   |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>303(d)</b>   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A/ STREAMS AND WATERWAYS  |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Clay  |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Bank Material:</i> Clay  |  |   |       |                          |      |   |                           |      |   |                     |                     |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                            |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |

Notes: Very high bank. At the end of hunting preserve, adjacent to private road.

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| Yellow River  | ok-0424-003   | Severity Score<br>5   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
|---|---|---|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|------|---|------------|--------------------|---|--------------------|-------------|---|----------------|---------|-----|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|------|---|-----------------------|---------|------|----------------------------|--|----------|--|---------|--------------|-------------------|--------|-----|-------------------------------|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 3.7mi NW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.801281, -86.613212<br><u>Land owner:</u> RB: NFWFMD / LB: Hervis Ward  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-24W-35/36<br><u>Parcel No.:</u> 1/1 | <u>State:</u> Florida   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| <br>LB   |     |   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
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| Risk Factor   | Ranking   | Score   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Channel Stability   | Good  | 0.5   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Channel Alteration  | None  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Bank Erosion  | Not Eroding   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| BEHI  | High  | 1   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Local NPSP  | Moderate Potential  | 1   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Shoring Structures  | Not Present   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Pipe Discharge  | Present   | 1.5   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Water Odors   | Not Present   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Fish Passage Barrier  | Not Present   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| RB: Riparian Buffer   | 100+ ft   | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| LB: Riparian Buffer   | 0-29 ft   | 0.75  |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| RB: Floodplain Access   | Full  | 0   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| LB: Floodplain Access   | Partial   | 0.25  |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| <b>River Threat Index:</b>  |   | <b>5</b>  |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Feature   | Within Range  | Descriptive Field   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| 303(d)  | Yes   | COLIFORMS, TURBIDITY, MERCURY   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Rare and Imperiled  | Yes   | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Land Use/ Cover   | Yes   | AGRICULTURAL/ STREAMS AND WATERWAYS   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Candidate Mussels   | No  | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |
| Sturgeon C.H.   | Yes   | N/A   |       |                   |      |     |                    |      |   |              |             |   |      |      |   |            |                    |   |                    |             |   |                |         |     |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |      |   |                       |         |      |                            |  |          |  |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                                     |                   |    |     |               |     |     |  |

Notes: Recreational site, nearby road, and shooting preserve / fish pond.

Pipe on left bank is draining the fish pond into Yellow River DS.

| Turkey Creek  | wa-1028-001  | Severity Score<br>4.75 |                    |              |                                     |
|---|--|------------------------|--------------------|--------------|-------------------------------------|
| <u>Common:</u> 7mi N of Mossy Head<br><u>Drainage:</u> Shoal River<br><u>Land owner:</u> Martha Pridgen | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-20W-16<br><u>Parcel No.:</u> 4     | <u>State:</u> Florida  |                    |              |                                     |
|                        |  |                        |                    |              |                                     |
| <b>RB</b>   |  |                        |                    |              |                                     |
| Risk Factor   | Ranking  | Score                  | Feature            | Within Range | Descriptive Field                   |
| <i>Channel Stability</i>  | Fair   | 1                      | 303(d)             | Yes          | COLIFORMS, TURBIDITY                |
| <i>Channel Alteration</i>   | None   | 0                      | Wetland Species    | No           | N/A                                 |
| <i>Bank Erosion</i>   | Active   | 1                      | Rare and Imperiled | No           | N/A                                 |
| <i>BEHI</i>   | High   | 1                      | Land Use/ Cover    | Yes          | AGRICULTURAL/ STREAMS AND WATERWAYS |
| <i>Local NPSP</i>   | No Evidence  | 0                      | Candidate Mussels  | No           | N/A                                 |
| <i>Shoring Structures</i>   | Not Present  | 0                      | Sturgeon C.H.      | No           | N/A                                 |
| <i>Pipe Discharge</i>   | Not Present  | 0                      |                    |              |                                     |
| <i>Water Odors</i>  | Not Present  | 0                      |                    |              |                                     |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                      |                    |              |                                     |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75                   |                    |              |                                     |
| <i>LB: Riparian Buffer</i>  | 100 + ft   | 0                      |                    |              |                                     |
| <i>RB: Floodplain Access</i>  | None   | 0.75                   |                    |              |                                     |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25                   |                    |              |                                     |
|   | <b>River Threat Index:</b>   | <b>4.75</b>            |                    |              |                                     |
| <b>Additional Site Features</b>   |  |                        |                    |              |                                     |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |                        |                    |              |                                     |
| <i>Impoundments:</i> None   |  |                        |                    |              |                                     |
| <i>Substrate Composition:</i> Clay Marl   |  |                        |                    |              |                                     |
| <i>Bank Material:</i> Clay  |  |                        |                    |              |                                     |

Notes: Power line crossing. Very low sinuosity.

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| Shoal River  | ok-0615-007   | Severity Score<br>4.75   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
|--|---|--|-------|-------------------|------|---|--------------------|------|---|--------------|--------|---|------|------|---|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|---|-----------------------|------|------|-----------------------|------|------|----------------------------|--|-------------|--|---------|--------------|-------------------|------|----|-----|-----------------|-----|------------------------------------|--------------------|-----|------------------------------------|-----------------|-----|----------------------------|-------------------|----|-----|---------------|----|-----|---|
| <u>Common:</u> 7.7mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.791181735, -86.444845391<br><u>Land owner:</u> Haiseal Timber Co  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-4<br><u>Parcel No.:</u> 4 | <u>State:</u> Florida  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| <br>RB  |   |  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
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| Risk Factor  | Ranking   | Score  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Channel Stability  | Fair  | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Channel Alteration   | None  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Bank Erosion   | Active  | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| BEHI   | High  | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Local NPSP   | No Evidence   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Shoring Structures   | Not Present   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Pipe Discharge   | Not Present   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Water Odors  | Not Present   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Fish Passage Barrier   | Not Present   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| RB: Riparian Buffer  | 0-29 ft   | 0.75   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| LB: Riparian Buffer  | 100+ ft   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| RB: Floodplain Access  | None  | 0.75   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| LB: Floodplain Access  | None  | 0.25   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| <b>River Threat Index:</b>   |   | <b>4.75</b>  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Feature  | Within Range  | Descriptive Field  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| 303d   | No  | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Rare and Imperiled   | Yes   | GOLDSTRIPE DARTER,IRONCOLOR SHINER   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Land Use/ Cover  | Yes   | N/A/ STREAMS AND WATERWAYS   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Candidate Mussels  | No  | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |
| Sturgeon C.H.  | No  | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |      |      |                       |      |      |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |                                    |                 |     |                            |                   |    |     |               |    |     |   |

Notes: Natural meander erosion.

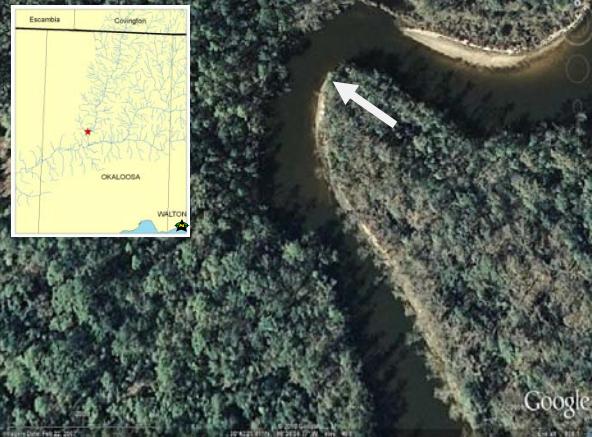
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| Yellow River  | ok-0416-003   | Severity Score<br>4.75  |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
|---|---|---|-------|-------------------|------|-----|--------------------|------|---|--------------|--------------|-----|------|------|---|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|------|-----------------------|------|---|----------------------------|-------------|--|--|--------|-----|-------------------------------|-----------------|-----|------------------------------------|--------------------|-----|---|---------------------------|-----|------------------------------|---------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 5.4mi SW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.723687084, -86.649676725<br><u>Land owner:</u> RB: Colin R. Hicks/ LB: NFWFMD  | <u>County:</u> Okaloosa<br><u>PLSST-R-S:</u> 3N-24W-28<br><u>Parcel No.:</u> 1.1/ 1 | <u>State:</u> Florida   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| <br>LB   |   |   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
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| Risk Factor   | Ranking   | Score   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Channel Stability   | Poor  | 1.5   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Channel Alteration  | None  | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Bank Erosion  | Mass-Wasting  | 1.5   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| BEHI  | High  | 1   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Local NPSP  | No Evidence   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Shoring Structures  | Not Present   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Pipe Discharge  | Not Present   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Water Odors   | Not Present   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Fish Passage Barrier  | Not Present   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| RB: Riparian Buffer   | 100+ ft   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| LB: Riparian Buffer   | 100+ ft   | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| RB: Floodplain Access   | None  | 0.75  |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| LB: Floodplain Access   | Full  | 0   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| <b>River Threat Index:</b>  | <b>4.75</b>   |   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| 303(d)  | Yes   | COLIFORMS, TURBIDITY, MERCURY   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS  |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Rare and Imperiled  | Yes   | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Land Use/ Cover Candidate   | Yes   | OTHER/ STREAMS AND WATERWAYS  |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Mussels   | No  | N/A   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |
| Sturgeon C.H.   | Yes   | N/A   |       |                   |      |     |                    |      |   |              |              |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |      |                       |      |   |                            |             |  |  |        |     |                               |                 |     |                                    |                    |     |   |                           |     |                              |         |    |     |               |     |     |  |

Notes: Large clear-cut area 0.1mi E of eroding bank.

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| Turkey Creek  |                                 | wa-1028-002                             |  | Severity Score<br>4.5                         |
|---|---------------------------------|---|--|---|
| <u>Common:</u><br>Shoal River   | 5mi NE of Mossy Head<br>Unknown | <u>GPS:</u> 30.824039425, -86.255678894 | <u>County:</u><br>PLSS(T-R-S):<br>Parcel No.:                                      | Walton<br>4N-20W-28<br>Unknown                |
| <u>Drainage:</u>  |                                 |   |  | <u>State:</u> Florida                         |
|  |                                 |   |  |   |
| <b>RB</b>   |                                 |   |  |   |
| Risk Factor   | Ranking                         | Score                                   | Feature  | Within Range                                  |
| <i>Channel Stability</i>  | Fair                            | 1                                       | 303(d)   | Yes COLIFORMS, TURBIDITY                      |
| <i>Channel Alteration</i>   | None                            | 0                                       | Wetland Species  | No N/A  |
| <i>Bank Erosion</i>   | Active                          | 1                                       | Rare and Imperiled   | No N/A  |
| <i>BEHI</i>   | High                            | 1                                       | Land Use/ Cover  | Yes VACANT RESIDENTIAL/ STREAMS AND WATERWAYS |
| <i>Local NPSP</i>   | No Evidence                     | 0                                       | Candidate Mussels  | No N/A  |
| <i>Shoring Structures</i>   | Not Present                     | 0                                       | Sturgeon C.H.  | No N/A  |
| <i>Pipe Discharge</i>   | Not Present                     | 0                                       | <b>Additional Site Features</b>  |   |
| <i>Water Odors</i>  | Not Present                     | 0                                       | <i>Stream Channel Woody Material:</i>  | Moderate                                      |
| <i>Fish Passage Barrier</i>   | Not Present                     | 0                                       | <i>Impoundments:</i>   | None  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft                         | 0.75                                    | <i>Substrate Composition:</i>  | Clay Marl                                     |
| <i>LB: Riparian Buffer</i>  | 100+ ft                         | 0                                       | <i>Bank Material:</i>  | Sand and Clay                                 |
| <i>RB: Floodplain Access</i>  | None                            | 0.75                                    |  |   |
| <i>LB: Floodplain Access</i>  | Full                            | 0                                       |  |   |
| <b>River Threat Index:</b>  |                                 | <b>4.5</b>                              |  |   |

Notes: Joyce Cordell is noted as a possible land owner. Logging road 0.3mi west of site?  
60ft site reach.

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| Shoal River   | wa-1009-003   | Severity Score<br>4.5 |                                       |              |  |
|---|---|-----------------------|---------------------------------------|--------------|--|
| <u>Common:</u> 4.4mi NE of Mossy Head<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.787746849, -86.266218365<br><u>Land owner:</u> NWFL Girl Scouts |   |                       |                                       |              |  |
|    | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-22W-4<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida |                                       |              |  |
|   |   |                       |                                       |              |  |
| Risk Factor   | Ranking   | Score                 | Feature                               | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair  | 1                     | 303(d)                                | No           | N/A  |
| <i>Channel Alteration</i>   | None  | 0                     | Wetland Species                       | Yes          | 1-3 FOCAL SPECIES IN WETLAND AREAS                 |
| <i>Bank Erosion</i>   | Mass Wasting  | 1.5                   | Rare and Imperiled                    | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | Historic  | 0.5                   | Land Use/ Cover                       | Yes          | RECREATION/ WETLAND FORESTED MIX                   |
| <i>Local NPSP</i>   | No Evidence   | 0                     | Candidate Mussels                     | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present   | 0                     | Sturgeon C.H.                         | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present   | 0                     | <b>Additional Site Features</b>       |              |  |
| <i>Water Odors</i>  | Not Present   | 0                     | <i>Stream Channel Woody Material:</i> | Numerous     |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0                     | <i>Impoundments:</i>                  | None         |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft   | 0.75                  | <i>Substrate Composition:</i>         | Medium Sand  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft   | 0                     | <i>Bank Material:</i>                 | Sand         |  |
| <i>RB: Floodplain Access</i>  | Partial   | 0.75                  |                                       |              |  |
| <i>LB: Floodplain Access</i>  | Full  | 0                     |                                       |              |  |
| <b>River Threat Index:</b> 4.5  |   |                       |                                       |              |  |

Notes: Girl Scout camp landing? Clear at top of bank  
Site not characteristic of this stretch of the Shoal River.  
RB is much higher than much of the reach.

OFW

| Shoal River  |   | wa-0720-003   |                                       | Severity Score<br>4.5 |  |
|--|---|---|---------------------------------------|-----------------------|--|
| <u>Common:</u> 3.2mi N of Mossy Head   |   | <u>County:</u> Walton   |                                       | <u>State:</u> Florida |  |
| <u>Drainage:</u> Yellow River  | <u>GPS:</u> 30.787452709, -86.332943941 | <u>PLSS(T-R-S):</u> 4N-21W-35   |                                       |                       |  |
| <u>Land owner:</u> Shoal River Oaks  |   | <u>Parcel No.:</u> 2  |                                       |                       |  |
| <br><b>RB</b> |   | <br><i>Google</i> |                                       |                       |  |
| <b>Risk Factor</b>   | <b>Ranking</b>                          | <b>Score</b>  | <b>Feature</b>                        | <b>Within Range</b>   | <b>Descriptive Field</b>                           |
| <i>Channel Stability</i>   | Good                                    | 0.5   | 303(d)                                | No                    | N/A  |
| <i>Channel Alteration</i>  | None                                    | 0   | Wetland Species                       | Yes                   | 1-3 FOCAL SPECIES IN WETLAND AREAS                 |
| <i>Bank Erosion</i>  | Active                                  | 1   | Rare and Imperiled                    | Yes                   | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |
| <i>BEHI</i>  | High                                    | 1   | Land Use/ Cover                       | Yes                   | PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS      |
| <i>Local NPSP</i>  | Slight                                  | 0.5   | Candidate Mussels                     | No                    | N/A  |
| <i>Shoring Structures</i>  | Not Present                             | 0   | Sturgeon C.H.                         | No                    | N/A  |
| <i>Pipe Discharge</i>  | Not Present                             | 0   | <b>Additional Site Features</b>       |                       |  |
| <i>Water Odors</i>   | Not Present                             | 0   | <i>Stream Channel Woody Material:</i> | Moderate              |  |
| <i>Fish Passage Barrier</i>  | Not Present                             | 0   | <i>Impoundments:</i>                  | None                  |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft                                 | 0.75  | <i>Substrate Composition:</i>         | Medium Sand           |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft                                 | 0   | <i>Bank Material:</i>                 | Sand                  |  |
| <i>RB: Floodplain Access</i>   | None                                    | 0.75  |                                       |                       |  |
| <i>LB: Floodplain Access</i>   | Full                                    | 0   |                                       |                       |  |
| <b>River Threat Index:</b> 4.5   |   |   |                                       |                       |  |

Notes: Public access from plantation lane. Used as a recreational hunt camp. OFW.

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| Shoal River   |                              | ok-0615-006 | Severity Score<br>4.5  |              |                                    |
|---|------------------------------|-------------|--|--------------|------------------------------------|
| <u>Common:</u> 7.7mi NE of Crestview  | <u>County:</u> Okaloosa      |             |  |              |                                    |
| <u>Drainage:</u> Yellow River   | <u>PLSS(T-R-S):</u> 3N-22W-4 |             |  |              |                                    |
| <u>Land owner:</u> Haiseal Timber Co  | <u>Parcel No.:</u> 4         |             |  |              |                                    |
|  |                              |             |    |              |                                    |
| <b>RB</b>   |                              |             |  |              |                                    |
| Risk Factor   | Ranking                      | Score       | Feature  | Within Range | Descriptive Field                  |
| <i>Channel Stability</i>  | Fair                         | 1           | 303(d)   | No           | N/A                                |
| <i>Channel Alteration</i>   | None                         | 0           | Wetland Species  | Yes          | 1-3 FOCAL SPECIES IN WETLAND AREAS |
| <i>Bank Erosion</i>   | Active                       | 1           | Rare and Imperiled   | Yes          | GOLDSTRIPE DARTER,IRONCOLOR SHINER |
| <i>BEHI</i>   | High                         | 1           | Land Use/ Cover  | Yes          | N/A/ STREAMS AND WATERWAYS         |
| <i>Local NPSP</i>   | No Evidence                  | 0           | Candidate Mussels  | No           | N/A                                |
| <i>Shoring Structures</i>   | Not Present                  | 0           | Sturgeon C.H.  | No           | N/A                                |
| <i>Pipe Discharge</i>   | Not Present                  | 0           | <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Moderate<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Medium Sand<br><i>Bank Material:</i> Clay and Sand |              |                                    |
| <i>Water Odors</i>  | Not Present                  | 0           |  |              |                                    |
| <i>Fish Passage Barrier</i>   | Not Present                  | 0           |  |              |                                    |
| <i>RB: Riparian Buffer</i>  | 0-29 ft                      | 0.75        |  |              |                                    |
| <i>LB: Riparian Buffer</i>  | 100+ ft                      | 0           |  |              |                                    |
| <i>RB: Floodplain Access</i>  | None                         | 0.75        |  |              |                                    |
| <i>LB: Floodplain Access</i>  | Full                         | 0           |  |              |                                    |
| <b>River Threat Index:</b> <b>4.5</b>   |                              |             |  |              |                                    |

Notes: Natural meander erosion.

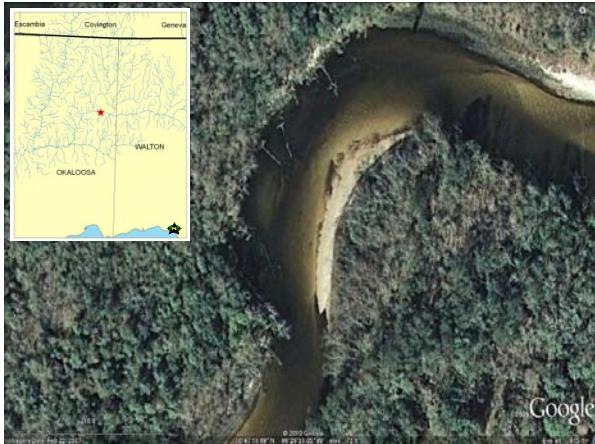
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| Shoal River  | ok-0615-014   | Severity Score<br>4.25                             |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
|--|---|--|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|---------------|---|------------|-----------------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|------|-----------------------|---------|------|-----------------------|------|---|----------------------------|--|-------------|--|---------|--------------|-------------------|------|----|-----|-----------------|-----|------------------------------------|--------------------|-----|--|-----------------|-----|-------------------------------|-------------------|----|-----|---------------|----|-----|---|
| <u>Common:</u> 8mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.786030551, -86.492481863<br><u>Land owner:</u> LB: Haiseal Timber Co/ RB: Seagull Inc   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-1<br><u>Parcel No.:</u> 1/1.001 | <u>State:</u> Florida                              |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| <br>US  |     |  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td>BEHI</td> <td>Low- Very Low</td> <td>0</td> </tr> <tr> <td>Local NPSP</td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>4.25</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking  | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Historic | 0.5 | BEHI | Low- Very Low | 0 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 0-29 ft | 0.75 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> |  | <b>4.25</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303d</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN WETLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303d | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN WETLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | N/A/<br>STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Medium Sand</p> |
| Risk Factor  | Ranking   | Score  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Channel Stability  | Good  | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Channel Alteration   | None  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Bank Erosion   | Historic  | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| BEHI   | Low- Very Low   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Local NPSP   | Obvious Sources   | 1.5  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Shoring Structures   | Not Present   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Pipe Discharge   | Not Present   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Water Odors  | Not Present   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Fish Passage Barrier   | Not Present   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| RB: Riparian Buffer  | 0-29 ft   | 0.75   |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| LB: Riparian Buffer  | 0-29 ft   | 0.75   |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| RB: Floodplain Access  | Partial   | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| LB: Floodplain Access  | Full  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| <b>River Threat Index:</b>   |   | <b>4.25</b>  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Feature  | Within Range  | Descriptive Field                                  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| 303d   | No  | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN WETLAND AREAS                 |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Rare and Imperiled   | Yes   | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Land Use/ Cover  | Yes   | N/A/<br>STREAMS AND WATERWAYS                      |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Candidate Mussels  | No  | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |
| Sturgeon C.H.  | No  | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |               |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |      |                       |         |      |                       |      |   |                            |  |             |  |         |              |                   |      |    |     |                 |     |                                    |                    |     |  |                 |     |                               |                   |    |     |               |    |     |   |

Notes: Public access, ATV trail to water, picnic table, and trash present.  
 LB historically clear cut. Spotty riparian coverage.

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| Shoal River  | ok-0615-004  | Severity Score<br>4.25   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
|--|--|--|-------|-------------------|------|---|--------------------|------|---|--------------|--------|---|------|------|---|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|------|-----------------------|---------|------|-----------------------|---------|------|----------------------------|--|-------------|--|--------|----|-----|-----------------|----|-----|--------------------|-----|--|-----------------|-----|----------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.790984237, -86.44005821<br><u>Land owner:</u> Haiseal Timber Co   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-3<br><u>Parcel No.:</u> 3    | <u>State:</u> Florida  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| <br>LB  |  |  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Fair</td> <td>1</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>High</td> <td>1</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>4.25</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Fair | 1 | Channel Alteration | None | 0 | Bank Erosion | Active | 1 | BEHI | High | 1 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 0-29 ft | 0.75 | RB: Floodplain Access | Partial | 0.25 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> |  | <b>4.25</b> | <p><b>Feature</b>      <b>Within Range</b>      <b>Descriptive Field</b></p> <table> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER | Land Use/ Cover | Yes | N/A/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Infrequent<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand</p> |
| Risk Factor  | Ranking  | Score  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Channel Stability  | Fair   | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Channel Alteration   | None   | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Bank Erosion   | Active   | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| BEHI   | High   | 1  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Local NPSP   | No Evidence  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Shoring Structures   | Not Present  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Pipe Discharge   | Not Present  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Water Odors  | Not Present  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Fish Passage Barrier   | Not Present  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| RB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| LB: Riparian Buffer  | 0-29 ft  | 0.75   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| RB: Floodplain Access  | Partial  | 0.25   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| LB: Floodplain Access  | Partial  | 0.25   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>   |  | <b>4.25</b>  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes  | GOLDSTRIPE DARTER, SPECKLED CHUB, IRONCOLOR SHINER                                 |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A/ STREAMS AND WATERWAYS   |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A  |       |                   |      |   |                    |      |   |              |        |   |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |      |                       |         |      |                       |         |      |                            |  |             |  |        |    |     |                 |    |     |                    |     |  |                 |     |                            |                   |    |     |               |    |     |  |

Notes: Natural meander erosion.

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| Yellow River  | ok-0609-012  | <i>Severity Score</i><br><b>4.25</b>   |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
|---|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|-------------|---|-------------|----------|-----|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|-------------|-----|-------------------------------|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-------------------------------|--------------------------|----|-----|----------------------|-----|-----|
| <u>Common:</u> 5.9mi NW of Laurel Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.9759598, -86.5539248<br><u>Land owner:</u> H.T.L. Family LTD Ptr   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 6N-23W-33<br><u>Parcel No.:</u> 4 | <u>State:</u> Florida  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
|    |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
|   |  |  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
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| Risk Factor   | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Channel Stability</i>  | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Channel Alteration</i>   | None   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Bank Erosion</i>   | Not eroding  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>BEHI</i>   | Moderate   | 0.5  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Local NPSP</i>   | Moderate Potential   | 1  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Shoring Structures</i>   | Present  | 1.5  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Pipe Discharge</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Water Odors</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75   |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>RB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <i>LB: Floodplain Access</i>  | Full   | 0  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>River Threat Index:</b>  | <b>4.25</b>  |  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| Feature   | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>303d</b>   | Yes  | COLIFORMS, TURBIDITY, MERCURY  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD,ALLIGATOR GAR, BLUENOSE SHINER,GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD,SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>Land Use/ Cover</b>  | Yes  | N/A/<br>STREAMS AND WATERWAYS  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>Candidate Mussels</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |
| <b>Sturgeon C.H.</b>  | Yes  | N/A  |       |                          |      |     |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |             |     |                               |                        |     |                                   |                           |     |  |                        |     |                               |                          |    |     |                      |     |     |

Notes: Silviculture practice surrounding site.

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| Yellow River   | ok-0424-002   | Severity Score<br>4   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
|--|---|---|-------|--------------------------|------|---|---------------------------|------|---|---------------------|-------------|---|-------------|----------|-----|-------------------|--------------------|---|---------------------------|---------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|-----|-------------------------------|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|--------------------------------|--|--|--|
| <u>Common:</u> 3.8mi NW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.803481, -86.612175<br><u>Land owner:</u> LB: Hervis Ward/ RB: NFWFMD  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-24W-35/36<br><u>Parcel No.:</u> 1/1 | <u>State:</u> Florida   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <br><b>LB</b>   |     |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
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padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>4</b></td><td></td></tr> </tbody> </table> | Risk Factor   | Ranking   | Score | <i>Channel Stability</i> | Good | 0 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Not Eroding | 0 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | Moderate Potential | 1 | <i>Shoring Structures</i> | Present | 1.5 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>4</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><b>303(d)</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">COLIFORMS, TURBIDITY, MERCURY</td></tr> <tr> <td style="padding: 5px;"><b>Wetland Species</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 5px;"><b>Rare and Imperiled</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr> <td style="padding: 5px;"><b>Land Use/ Cover</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A / STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 5px;"><b>Candidate Mussels</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Sturgeon C.H.</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Bank Material:</i> Concrete</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, TURBIDITY, MERCURY | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Concrete |  |  |  |
| Risk Factor  | Ranking   | Score   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Channel Stability</i>   | Good  | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Channel Alteration</i>  | None  | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Bank Erosion</i>  | Not Eroding   | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>BEHI</i>  | Moderate  | 0.5   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Local NPSP</i>  | Moderate Potential  | 1   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Shoring Structures</i>  | Present   | 1.5   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Pipe Discharge</i>  | Not Present   | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Water Odors</i>   | Not Present   | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>LB: Riparian Buffer</i>   | 0-29 ft   | 0.75  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>RB: Floodplain Access</i>   | Full  | 0   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>River Threat Index:</b>   | <b>4</b>  |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| Feature  | Within Range  | Descriptive Field   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>303(d)</b>  | Yes   | COLIFORMS, TURBIDITY, MERCURY   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Wetland Species</b>   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Rare and Imperiled</b>  | Yes   | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / STREAMS AND WATERWAYS   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Candidate Mussels</b>   | No  | N/A   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Sturgeon C.H.</b>   | Yes   | N/A   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <b>Additional Site Features</b>  |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Impoundments:</i> None  |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <i>Bank Material:</i> Concrete   |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
| <u>Notes:</u> Broken concrete slabs are being used as shoring structure.<br>Hunting preserve is fenced and a fish pond is downstream   |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
|  |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |
|  |   |   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |                    |   |                           |         |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                |  |  |  |

|   |  |   |   |
|---|--|---|---|
| Titi Creek  | ok-1022-001  | Severity Score<br>4   |   |
| <u>Common:</u> 7.7mi SE of Crestview<br><u>Drainage:</u> Shoal River<br><u>Land owner:</u> USA- Eglin AFB   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-22W-1<br><u>Parcel No.:</u> 1  | <u>State:</u> Florida   |   |
|    |  |   |   |
|   |  |   |   |
| <b>Risk Factor</b><br><i>Channel Stability</i><br><i>Channel Alteration</i><br><i>Bank Erosion</i><br><i>BEHI</i><br><i>Local NPSP</i><br><i>Shoring Structures</i><br><i>Pipe Discharge</i><br><i>Water Odors</i><br><i>Fish Passage Barrier</i><br><i>RB: Riparian Buffer</i><br><i>LB: Riparian Buffer</i><br><i>RB: Floodplain Access</i><br><i>LB: Floodplain Access</i><br><b>River Threat Index:</b> | <b>Ranking</b><br>Fair<br>None<br>Active<br>Moderate<br>No Evidence<br>Not Present<br>Not Present<br>Not Present<br>Not Present<br>0-29 ft<br>100+ ft<br>None<br>Full<br>4 | <b>Score</b><br>1<br>0<br>1<br>0.5<br>0<br>0<br>0<br>0<br>0<br>0.75<br>0<br>0.75<br>0<br>0<br>4 | <b>Feature</b><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b><br><br><b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Numerous<br><i>Impoundments:</i> Woody Material Jams<br><i>Substrate Composition:</i> Coarse Sand<br><i>Bank Material:</i> Coarse Sand |

Notes: Uncommon feature for Titi Creek. 270ft reach

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| Shoal River  | ok-0616-002  | Severity Score<br>4   |                                       |              |  |
|--|--|-----------------------|---------------------------------------|--------------|--|
| <u>Common:</u> 4.4mi NE of Crestview<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Rita Chimiak | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-12<br><u>Parcel No.:</u> 2   | <u>State:</u> Florida |                                       |              |  |
|                         |  |                       |                                       |              |  |
| <b>LB</b>  |  |                       |                                       |              |  |
| Risk Factor  | Ranking  | Score                 | Feature                               | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>   | Fair   | 1                     | <b>303(d)</b>                         | No           | N/A  |
| <i>Channel Alteration</i>  | None   | 0                     | <b>Wetland Species</b>                | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <i>Bank Erosion</i>  | Historic   | 0.5                   | <b>Rare and Imperiled</b>             | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>  | High   | 1                     | <b>Land Use/ Cover</b>                | Yes          | N/A / STREAMS AND WATERWAYS                        |
| <i>Local NPSP</i>  | No Evidence  | 0                     | <b>Candidate Mussels</b>              | No           | N/A  |
| <i>Shoring Structures</i>  | Not Present  | 0                     | <b>Sturgeon C.H.</b>                  | No           | N/A  |
| <i>Pipe Discharge</i>  | Not Present  | 0                     |                                       |              |  |
| <i>Water Odors</i>   | Not Present  | 0                     |                                       |              |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                     |                                       |              |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                     |                                       |              |  |
| <i>LB: Riparian Buffer</i>   | 0-29 ft  | 0.75                  |                                       |              |  |
| <i>RB: Floodplain Access</i>   | Full   | 0                     |                                       |              |  |
| <i>LB: Floodplain Access</i>   | None   | 0.75                  |                                       |              |  |
|  | <b>River Threat Index:</b>   | <b>4</b>              |                                       |              |  |
|  |  |                       | <b>Additional Site Features</b>       |              |  |
|  |  |                       | <i>Stream Channel Woody Material:</i> | Moderate     |  |
|  |  |                       | <i>Impoundments:</i>                  | None         |  |
|  |  |                       | <i>Substrate Composition:</i>         | Medium Sand  |  |
|  |  |                       | <i>Bank Material:</i>                 | Sand         |  |

Notes: New growth on eroding bank may indicate historic erosion. However bank still appears to degrading.  
 Unpaved road on both banks. Aerials show evidence of past logging/clear cutting.

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| Shoal River   | ok-0615-010  | Severity Score<br>4   |                                       |              |  |
|---|--|-----------------------|---------------------------------------|--------------|--|
| <u>Common:</u> 5.7mi NW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.788777414, -86.479913841<br><u>Land owner:</u> Haiseal Timber Co |  |                       |                                       |              |  |
| <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-6<br><u>Parcel No.:</u> 1&4   |  | <u>State:</u> Florida |                                       |              |  |
|    |  | RB                    |                                       |              |  |
| Risk Factor   | Ranking  | Score                 | Feature                               | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair   | 1                     | 303(d)                                | No           | N/A  |
| <i>Channel Alteration</i>   | None   | 0                     | Wetland Species                       | No           | N/A  |
| <i>Bank Erosion</i>   | Historic   | 0.5                   | Rare and Imperiled                    | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High   | 1                     | Land Use/ Cover                       | Yes          | N/A / STREAMS AND WATERWAYS                        |
| <i>Local NPSP</i>   | Obvious Sources  | 0                     | Candidate Mussels                     | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present  | 0                     | Sturgeon C.H.                         | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     | <b>Additional Site Features</b>       |              |  |
| <i>Water Odors</i>  | Not Present  | 0                     | <i>Stream Channel Woody Material:</i> | Moderate     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     | <i>Impoundments:</i>                  | None         |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75                  | <i>Substrate Composition:</i>         | Coarse Sand  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     | <i>Bank Material:</i>                 | Sand         |  |
| <i>RB: Floodplain Access</i>  | None   | 0.75                  |                                       |              |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |                                       |              |  |
| <b>River Threat Index:</b>  |  | <b>4</b>              |                                       |              |  |

Notes: Lacking riparian buffer and vegetation with deep roots to prevent further erosion. Moderately entrenched.

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| Yellow River  | ok-0608-007  | Severity Score<br>4   |
|---|--|---|
| <u>Common:</u> 9mi SW of Laurel Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.88127221, -86.57624689<br><u>Land owner:</u> RB: R.J. Trust & Johnson Shahid<br>LB: Raymond & Mary Powers/ R.J & Johnston Shahid |  |   |
| <br>LB   | <u>County:</u> Okaloosa <u>State:</u> Florida<br><u>PLSS(T-R-S):</u> 4N-23W-6<br><u>Parcel No.:</u> RB: 2.004/ LB: 2.005/2 |   |
|   |  |   |
| Risk Factor   | Ranking  | Score   |
| <i>Channel Stability</i>  | Fair   | 1   |
| <i>Channel Alteration</i>   | None   | 0   |
| <i>Bank Erosion</i>   | Historic   | 1   |
| <i>BEHI</i>   | High   | 1   |
| <i>Local NPSP</i>   | No Evidence  | 0   |
| <i>Shoring Structures</i>   | Not Present  | 0   |
| <i>Pipe Discharge</i>   | Not Present  | 0   |
| <i>Water Odors</i>  | Not Present  | 0   |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25  |
| <b>River Threat Index:</b>  |  | <b>4</b>  |
| Feature   | Within Range   | Descriptive Field   |
| <b>303(d)</b>   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <b>Land Use/ Cover</b>  | Yes  | VACANT RESIDENTIAL/HARDWOOD CONIFEROUS-MIXED  |
| <b>Candidate Mussels</b>  | No   | N/A   |
| <b>Sturgeon C.H.</b>  | Yes  | N/A   |
| Additional Site Features  |  |   |
| <i>Stream Channel Woody Material:</i> Numerous  |  |   |
| <i>Impoundments:</i> None   |  |   |
| <i>Substrate Composition:</i> Medium Sand   |  |   |
| <i>Bank Material:</i> Clay  |  |   |

Notes: Hunt camp/boat launch in close proximity

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| Yellow River  |   | ok-0424-006  | Severity Score<br>4   |
|---|---|--|---|
| <u>Common:</u> 3.4mi NW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.776486, -86.6249<br><u>Land owner:</u> RB: NFWFMD/ LB: John & Betty Carver | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-24W-11<br><u>Parcel No.:</u> 2/2.01 | <u>State:</u> Florida  |   |
|    |   |  |   |
| <b>RB</b>   |   |  |   |
| Risk Factor   | Ranking   | Score  | Feature<br>Within Range<br>Descriptive Field  |
| <i>Channel Stability</i>  | Poor  | 1.5  | <b>303(d)</b> Yes COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>   | None  | 0  | <b>Wetland Species</b> Yes 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| <i>Bank Erosion</i>   | Active  | 1  | <b>Rare and Imperiled</b> Yes ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>   | Moderate  | 0.5  | <b>Land Use/ Cover</b> Yes N/A / STREAMS AND WATERWAYS  |
| <i>Local NPSP</i>   | No Evidence   | 0  | <b>Candidate Mussels</b> No N/A   |
| <i>Shoring Structures</i>   | Not Present   | 0  | <b>Sturgeon C.H.</b> Yes N/A  |
| <i>Pipe Discharge</i>   | Not Present   | 0  |   |
| <i>Water Odors</i>  | Not Present   | 0  |   |
| <i>Fish Passage Barrier</i>   | Present   | 0  |   |
| <i>RB: Riparian Buffer</i>  | 0-29 ft   | 0.75   |   |
| <i>LB: Riparian Buffer</i>  | 100+ft  | 0  |   |
| <i>RB: Floodplain Access</i>  | Full  | 0  | <b>Additional Site Features</b>   |
| <i>LB: Floodplain Access</i>  | Partial   | 0.25   | <i>Stream Channel Woody Material:</i> Moderate  |
| <b>River Threat Index:</b> 4  |   |  | <i>Impoundments:</i> None   |
|   |   |  | <i>Substrate Composition:</i> Coarse Sand   |
|   |   |  | <i>Bank Material:</i> Sand  |

Notes: Vegetated island becoming oxbow. Largest sand bar seen on the entire Yellow River  
 Private ATV trail leading down to site.

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| Yellow River  | ok-0416-001  | Severity Score<br>4   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------------|-----|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|-----|-------------------------------|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 6.2mi SW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.703051848, -86.65072881<br><u>Land owner:</u> NFWFMD   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24W-4<br><u>Parcel No.:</u> 1              | <u>State:</u> Florida   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br>RB   | <br>Google |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Fair</td><td style="padding: 5px;">1.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Mass Wasting</td><td style="padding: 5px;">1.5</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">High</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>4</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Fair | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Mass Wasting | 1.5 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>4</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><b>303(d)</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">COLIFORMS, TURBIDITY, MERCURY</td></tr> <tr> <td style="padding: 5px;"><b>Wetland Species</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td style="padding: 5px;"><b>Rare and Imperiled</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr> <td style="padding: 5px;"><b>Land Use/ Cover</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A / STREAMS AND WATERWAYS</td></tr> <tr> <td style="padding: 5px;"><b>Candidate Mussels</b></td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;"><b>Sturgeon C.H.</b></td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3" style="padding: 5px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | COLIFORMS, TURBIDITY, MERCURY | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Fair   | 1.5   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Mass Wasting   | 1.5   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | High   | 1   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>4</b>   |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A / STREAMS AND WATERWAYS   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand  |  |   |       |                          |      |     |                           |      |   |                     |              |     |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Data collected during flood stage- receding.

Private/primitive road 0.08mi west of the documented site, with a path leading to the river's edge

Since this occurs on an outside bend, it is likely that the erosion is mostly natural, with some contribution from the nearby path.

| Yellow River   | co-0805-005   | Severity Score<br>3.75                     |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
|--|---|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|--------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|-----|------------------------------|------|---|------------------------------|---------|------|----------------------------|-------------|--|--|---------|--------------|-------------------|---------------|-----|-----------------|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|--|--------------------------|----|-----|----------------------|-----|-----|--|
| <u>Common:</u> 16mi S of Andalusia<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.0770612, -86.488424621<br><u>Land owner:</u> RB: USA / LB: James & Patricia Battles   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 1N-16E-6<br><u>Parcel No.:</u> RB: 2/339AC / LB:1/272AC | <u>State:</u> Alabama                      |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <br><b>RB</b>   |                       |  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
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| Risk Factor  | Ranking   | Score                                      |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Channel Stability</i>   | Fair  | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Bank Erosion</i>  | Active  | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>BEHI</i>  | High  | 1  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Local NPSP</i>  | No Evidence   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>LB: Riparian Buffer</i>   | 30-49 ft  | 0.5  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25                                       |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>River Threat Index:</b>   | <b>3.75</b>   |  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| Feature  | Within Range  | Descriptive Field                          |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>303(d)</b>  | Yes   | METALS- MERCURY                            |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>Wetland Species</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>Rare and Imperiled</b>  | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / SUCCESSIONAL SHRUB/SCRUB (CLEAR CUT) |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |
| <b>Sturgeon C.H.</b>   | Yes   | N/A  |       |                          |      |   |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |     |                              |      |   |                              |         |      |                            |             |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |     |     |  |

Notes: Lack of vegetation on left bank could lead to further active erosion.

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|--|---|--|
| <b>Shoal River</b>   | <b>wa-0720-002</b>  | <b>Severity Score<br/>3.5</b>                      |
| <u>Common:</u> 14mi E of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.789053004, -86.330105543<br><u>Land owner:</u> RB: George & Barbara Baretto/ LB: Shoal River Oaks | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-21W-35<br><u>Parcel No.:</u> 1.027/ 2 | <u>State:</u> Florida                              |
|   |   |  |
|    |   |  |
| <b>Risk Factor</b>   | <b>Ranking</b>  | <b>Score</b>                                       |
| <i>Channel Stability</i>   | Fair  | 1  |
| <i>Channel Alteration</i>  | None  | 0  |
| <i>Bank Erosion</i>  | Historic  | 0.5  |
| <i>BEHI</i>  | Moderate  | 0.5  |
| <i>Local NPSP</i>  | Slight  | 0.5  |
| <i>Shoring Structures</i>  | Not Present   | 0  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |
| <i>Water Odors</i>   | Not Present   | 0  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  |
| <i>RB: Floodplain Access</i>   | Partial   | 0.25   |
| <i>LB: Floodplain Access</i>   | Full  | 0  |
| <b>River Threat Index:</b>   |   | <b>3.5</b>   |
| <b>Feature</b> <b>Within Range</b> <b>Descriptive Field</b>  |   |  |
| <b>303(d)</b>  | No  | N/A  |
| <b>Wetland Species</b>   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <b>Land Use/ Cover</b>   | Yes   | PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS      |
| <b>Candidate Mussels</b>   | No  | N/A  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |
| <b>Additional Site Features</b>  |   |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |  |
| <i>Impoundments:</i> None  |   |  |
| <i>Substrate Composition:</i> Medium Sand  |   |  |
| <i>Bank Material:</i> Sand   |   |  |

Notes: Power line crossing and unimproved private road coming off Plantation Ln.

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| <b>Shoal River</b>   | ok-0615-011   | <i>Severity Score</i><br><b>3.5</b>                |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
|--|---|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|------|----------------------------|---------|---|------------------------------|------|------|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 5mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.78738993, -86.490213592<br><u>Land owner:</u> RB: Seagull Inc/ LB: Haiseal Timber Co  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-6<br><u>Parcel No.:</u> 6.001/6.001 A | <u>State:</u> Florida                              |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
|   |           | <b>RB</b>  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>None</td> <td>0.75</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>3.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor   | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | None | 0.75 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>3.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand</p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A |  |
| Risk Factor  | Ranking   | Score  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Fair  | 1  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | Historic  | 0.5  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | Moderate  | 0.5  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>  | No Evidence   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 0-29 ft   | 0.75   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | None  | 0.75   |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | Full  | 0  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   | <b>3.5</b>  |  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| Feature  | Within Range  | Descriptive Field                                  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / STREAMS AND WATERWAYS                        |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |   |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |      |                            |         |   |                              |      |      |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |

Notes: Lt Bank evidence of clear cutting. Rt bank aerials show a well defined historic meander pattern.

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| Shoal River  | ok-0615-005   | Severity Score<br>3.5 |  |              |  |
|--|---|-----------------------|--|--------------|--|
| <u>Common:</u> 3.9mi E of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.791258301, -86.440516277<br><u>Land owner:</u> Haiseal Timber Co |   |                       |  |              |  |
| <br>RB  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-3<br><u>Parcel No.:</u> 3 | <u>State:</u> Florida |  |              |  |
|    |   |                       |  |              |  |
| Risk Factor  | Ranking   | Score                 | Feature  | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>   | Fair  | 1                     | 303(d)   | No           | N/A  |
| <i>Channel Alteration</i>  | None  | 0                     | Wetland Species                                | No           | N/A  |
| <i>Bank Erosion</i>  | Active  | 1                     | Rare and Imperiled                             | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>  | High  | 1                     | Land Use/ Cover                                | Yes          | N/A / STREAMS AND WATERWAYS                        |
| <i>Local NPSP</i>  | No Evidence   | 0                     | Candidate Mussels                              | No           | N/A  |
| <i>Shoring Structures</i>  | Not Present   | 0                     | Sturgeon C.H.                                  | No           | N/A  |
| <i>Pipe Discharge</i>  | Not Present   | 0                     | <b>Additional Site Features</b>                |              |  |
| <i>Water Odors</i>   | Not Present   | 0                     | <i>Stream Channel Woody Material:</i> Moderate |              |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0                     | <i>Impoundments:</i> None                      |              |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0                     | <i>Substrate Composition:</i> Clay             |              |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0                     | <i>Bank Material:</i> Sand and Clay            |              |  |
| <i>RB: Floodplain Access</i>   | Partial   | 0.25                  |  |              |  |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25                  |  |              |  |
| <b>River Threat Index:</b> 3.5   |   |                       |  |              |  |

Notes: None.

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| <b>Shoal River</b>  | <b>ok-0423-007</b>   | <b>Severity Score<br/>3.25</b> |                    |              |  |
|---|--|--------------------------------|--------------------|--------------|--|
| <u>Common:</u> 3.6mi SE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.732367, -86.520503<br><u>Land owner:</u> Haiseal Timber Co | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-26<br><u>Parcel No.:</u> 9   | <u>State:</u> Florida          |                    |              |  |
|    |  |                                |                    |              |  |
| <b>RB</b>   |  |                                |                    |              |  |
| Risk Factor   | Ranking  | Score                          | Feature            | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Poor   | 1.5                            | 303(d)             | No           | N/A  |
| <i>Channel Alteration</i>   | None   | 0                              | Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <i>Bank Erosion</i>   | Not eroding  | 0                              | Rare and Imperiled | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High   | 1                              | Land Use/ Cover    | Yes          | N/A / STREAMS AND WATERWAYS                        |
| <i>Local NPSP</i>   | No Evidence  | 0                              | Candidate Mussels  | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present  | 0                              | Sturgeon C.H.      | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present  | 0                              |                    |              |  |
| <i>Water Odors</i>  | Not Present  | 0                              |                    |              |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                              |                    |              |  |
| <i>RB: Riparian Buffer</i>  | 0-29 ft  | 0.75                           |                    |              |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                              |                    |              |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                              |                    |              |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                              |                    |              |  |
|   | <b>River Threat Index:</b>   | <b>3.25</b>                    |                    |              |  |
| <b>Additional Site Features</b>   |  |                                |                    |              |  |
| <i>Stream Channel Woody Material:</i> Moderate  |  |                                |                    |              |  |
| <i>Impoundments:</i> None   |  |                                |                    |              |  |
| <i>Substrate Composition:</i> Medium Sand   |  |                                |                    |              |  |
| <i>Bank Material:</i> Sand  |  |                                |                    |              |  |

Notes: Aggradational site.

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| Shoal River  | wa-0721-001   | Severity Score<br>3                                |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
|--|---|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|--------------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|-----|--|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 2.8mi N of Mossy Head<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.784190629, -86.38280134<br><u>Land owner:</u> RB: Walter Billingsley/ LB: William Corley  | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 3N-21W-6<br><u>Parcel No.:</u> 1.1003/1.1  | <u>State:</u> Florida                              |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <br><b>LB</b>   | <br> |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
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| Risk Factor  | Ranking   | Score  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Good  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | None  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | Historic  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | Moderate  | 0.5  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>  | Moderate Potential  | 1  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 50-99 ft  | 0.25   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | Partial   | 0.25   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   | <b>3</b>  |  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| Feature  | Within Range  | Descriptive Field                                  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes   | PARCELS WITH NO VALUES/ STREAMS AND WATERWAYS      |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |   |                          |    |     |                      |    |     |  |

Notes: West of Laird Rd. Unpaved road on left bank, as seen in aerial, coming off of W.T. Hulion Rd.

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| Shoal River  | ok-0616-001  | Severity Score<br>3  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
|--|--|--|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|------|---|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|------|---------------------|---------|---|-----------------------|---------|------|-----------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|-----------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 4.5mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.77799366, -86.497928994<br><u>Land owner:</u> Rita Chimiak  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-23W-12<br><u>Parcel No.:</u> 2   | <u>State:</u> Florida  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| <br>RB  |  |  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
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| Risk Factor  | Ranking  | Score  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Channel Stability  | Good   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Channel Alteration   | None   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Bank Erosion   | Historic   | 0.5  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| BEHI   | High   | 1  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Local NPSP   | No Evidence  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Shoring Structures   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Pipe Discharge   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Water Odors  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Fish Passage Barrier   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| RB: Riparian Buffer  | 0-29 ft  | 0.75   |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| LB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| RB: Floodplain Access  | Partial  | 0.25   |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| LB: Floodplain Access  | Full   | 0  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>   | <b>3</b>   |  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Rare and Imperiled   | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB                                 |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | N/A / STREAMS AND WATERWAYS  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A  |       |                   |      |     |                    |      |   |              |          |     |      |      |   |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |      |                     |         |   |                       |         |      |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |    |     |  |

Notes: Unpaved road on both banks. Aerials show evidence of past logging/clear cutting.

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| Shoal River   | ok-0615-003  | Severity Score<br>3   |                    |              |  |
|---|--|-----------------------|--------------------|--------------|--|
| <u>Common:</u> 8.3mi NE of Crestview<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Haiseal Timber Co | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-22W-3<br><u>Parcel No.:</u> 3    | <u>State:</u> Florida |                    |              |  |
|                              |  |                       |                    |              |  |
| <b>LB</b>   |  |                       |                    |              |  |
| Risk Factor   | Ranking  | Score                 | Feature            | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair   | 1                     | 303(d)             | No           | N/A  |
| <i>Channel Alteration</i>   | None   | 0                     | Wetland Species    | No           | N/A  |
| <i>Bank Erosion</i>   | Not Eroding  | 0                     | Rare and Imperiled | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High   | 1                     | Land Use/ Cover    | Yes          | AGRICULTURAL/ STREAMS AND WATERWAYS                |
| <i>Local NPSP</i>   | No Evidence  | 0                     | Candidate Mussels  | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present  | 0                     | Sturgeon C.H.      | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |                    |              |  |
| <i>Water Odors</i>  | Not Present  | 0                     |                    |              |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |                    |              |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |                    |              |  |
| <i>LB: Riparian Buffer</i>  | 0-29 ft  | 0.75                  |                    |              |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |                    |              |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25                  |                    |              |  |
|   | <b>River Threat Index:</b>   | <b>3</b>              |                    |              |  |
| <b>Additional Site Features</b>   |  |                       |                    |              |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |                       |                    |              |  |
| <i>Impoundments:</i> None   |  |                       |                    |              |  |
| <i>Substrate Composition:</i> Medium Sand   |  |                       |                    |              |  |
| <i>Bank Material:</i> Sand  |  |                       |                    |              |  |

Notes: End of foot/ATV trail coming from the SE.

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| Yellow River  | co-0807-001  | Severity Score<br>3   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
|---|--|-----------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|----------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|----|-----|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 7.7mi NW of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.148090541, -86.389774939<br><u>Land owner:</u> T. Ivey Powell & Sons Inc.   | <u>County:</u> Covington<br><u>PLSS(T-R-S):</u> 2N-17E-7<br><u>Parcel No.:</u> 3   | <u>State:</u> Alabama |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <br><b>LB</b>  | <br><small>Image © 2010 DigitalGlobe</small> |                       |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Active</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">50-99 ft</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>3</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking               | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 50-99 ft | 0.25 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>3</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | No | N/A | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> |
| Risk Factor   | Ranking  | Score                 |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>  | Good   | 0.5                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>   | Active   | 1                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>BEHI</i>   | High   | 1                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft   | 0.25                  |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25                  |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>  | <b>3</b>   |                       |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>303(d)</b>   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |    |     |  |

Notes: Riparian reduced by silviculture.

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| Shoal River   |                                 | ok-0615-009              | Severity Score<br>2.75   |
|---|---------------------------------|--------------------------|--|
| <u>Common:</u><br>7mi NE of Crestview   | <u>County:</u><br>Okaloosa      | <u>State:</u><br>Florida |  |
| <u>Drainage:</u><br>Yellow River  | <u>PLSS:</u><br>4N-22W-32       |                          |  |
| <u>Land owner:</u><br>RB: Sammuel Cunningham / LB: Joann Christensen                        | <u>Parcel No.:</u><br>5 / 4.005 |                          |  |
|  <p>RB</p> |                                 |                          |  |
| Risk Factor   | Ranking                         | Score                    | Feature<br>Within Range<br>Descriptive Field                                       |
| <i>Channel Stability</i>  | Fair                            | 1                        | <b>303(d)</b> No N/A   |
| <i>Channel Alteration</i>   | None                            | 0                        | <b>Wetland Species</b> No N/A  |
| <i>Bank Erosion</i>   | Active                          | 1                        | <b>Rare and Imperiled</b> Yes GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB   |
| <i>BEHI</i>   | Moderate                        | 0.5                      | <b>Land Use/ Cover</b> Yes N/A / STREAMS AND WATERWAYS                             |
| <i>Local NPSP</i>   | No Evidence                     | 0                        | <b>Candidate Mussels</b> No N/A  |
| <i>Shoring Structures</i>   | Not Present                     | 0                        | <b>Sturgeon C.H.</b> No N/A  |
| <i>Pipe Discharge</i>   | Not Present                     | 0                        |  |
| <i>Water Odors</i>  | Not Present                     | 0                        |  |
| <i>Fish Passage Barrier</i>   | Not Present                     | 0                        |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft                         | 0                        |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft                         | 0                        |  |
| <i>RB: Floodplain Access</i>  | Partial                         | 0.25                     | <b>Additional Site Features</b>  |
| <i>LB: Floodplain Access</i>  | Full                            | 0                        | <i>Stream Channel Woody Material:</i> Moderate                                     |
| <b>River Threat Index:</b> 2.75   |                                 |                          | <i>Impoundments:</i> None  |
|   |                                 |                          | <i>Substrate Composition:</i> Medium Sand  |
|   |                                 |                          | <i>Bank Material:</i> Sand and Clay  |

Notes: Unpaved private logging road 0.8mi N of bend.

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| Yellow River  |                         | ok-0609-014   | Severity Score<br>2.75 |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
|---|-------------------------|---|------------------------|-------|-------------------|------|---|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|---------|------|----------------------------|--|-------------|--|--|--|---------|--------------|-------------------|------|-----|-------------------------------|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|-----------------------------|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|--------------------------------------|--|--|
| <u>Common:</u> 5.5mi SW of Laurel Hill  | <u>County:</u> Okaloosa | <u>State:</u> Florida   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.949663, -86.551128   | <u>PLSS:</u> 5N-23W-9   |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <u>Land owner:</u> H.T.L. Family LTD Ptr  | <u>Parcel No.:</u> 1    |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <br>LB   |                         | <br>Google                                    |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Fair</td> <td>1</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>2.75</b></td><td></td></tr> </tbody> </table> |                         | Risk Factor   | Ranking                | Score | Channel Stability | Fair | 1 | Channel Alteration | None | 0 | Bank Erosion | Active | 1 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> |  | <b>2.75</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303d</td> <td>Yes</td> <td>COLIFORMS, TURBIDITY, MERCURY</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Coarse Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Roots</td></tr> </tbody> </table> |  | Feature | Within Range | Descriptive Field | 303d | Yes | COLIFORMS, TURBIDITY, MERCURY | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | Land Use/ Cover | Yes | N/A / STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Coarse Sand |  |  | <i>Bank Material:</i> Sand and Roots |  |  |
| Risk Factor   | Ranking                 | Score   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Channel Stability   | Fair                    | 1   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Channel Alteration  | None                    | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Bank Erosion  | Active                  | 1   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| BEHI  | Moderate                | 0.5   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Local NPSP  | No Evidence             | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Shoring Structures  | Not Present             | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Pipe Discharge  | Not Present             | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Water Odors   | Not Present             | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Fish Passage Barrier  | Not Present             | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| RB: Riparian Buffer   | 100+ ft                 | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| LB: Riparian Buffer   | 100+ ft                 | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| RB: Floodplain Access   | Full                    | 0   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| LB: Floodplain Access   | Partial                 | 0.25  |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <b>River Threat Index:</b>  |                         | <b>2.75</b>   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Feature   | Within Range            | Descriptive Field   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| 303d  | Yes                     | COLIFORMS, TURBIDITY, MERCURY   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Wetland Species   | Yes                     | 1-3 FOCAL SPECIES IN UPLAND AREAS   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Rare and Imperiled  | Yes                     | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Land Use/ Cover   | Yes                     | N/A / STREAMS AND WATERWAYS   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Candidate Mussels   | No                      | N/A   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| Sturgeon C.H.   | Yes                     | N/A   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <b>Additional Site Features</b>   |                         |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |                         |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <i>Impoundments:</i> None   |                         |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <i>Substrate Composition:</i> Coarse Sand   |                         |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |
| <i>Bank Material:</i> Sand and Roots  |                         |   |                        |       |                   |      |   |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |  |  |         |              |                   |      |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |

Notes: Adjacent to logging operation. Areas of clear cutting and unpaved private road.

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| Yellow River   | ok-0609-011  | Severity Score<br>2.75          |                                       |              |   |
|--|--|---------------------------------|---------------------------------------|--------------|---|
| <u>Common:</u> 5.3mi NW of Laurel Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.98557256, -86.5464569<br><u>Land owner:</u> H.T.L. Family LTD Ptr | <u>County:</u> Okaloosa<br><u>PLSS:</u> 6N-23W-28<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida           |                                       |              |   |
| <br>LB  |  |                                 |                                       |              |   |
| Risk Factor  | Ranking  | Score                           | Feature                               | Within Range | Descriptive Field   |
| <i>Channel Stability</i>   | Fair   | 1                               | <b>303(d)</b>                         | Yes          | COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>  | None   | 0                               | <b>Wetland Species</b>                | No           | N/A   |
| <i>Bank Erosion</i>  | Active   | 1                               | <b>Rare and Imperiled</b>             | Yes          | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>  | Moderate   | 0.5                             | <b>Land Use/ Cover</b>                | Yes          | N/A / STREAMS AND WATERWAYS   |
| <i>Local NPSP</i>  | No Evidence  | 0                               | <b>Candidate Mussels</b>              | No           | N/A   |
| <i>Shoring Structures</i>  | Not Present  | 0                               | <b>Sturgeon C.H.</b>                  | Yes          | N/A   |
| <i>Pipe Discharge</i>  | Not Present  | 0                               |                                       |              |   |
| <i>Water Odors</i>   | Not Present  | 0                               |                                       |              |   |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                               |                                       |              |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                               |                                       |              |   |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0                               |                                       |              |   |
| <i>RB: Floodplain Access</i>   | Full   | 0                               |                                       |              |   |
| <i>LB: Floodplain Access</i>   | Partial  | 0.25                            |                                       |              |   |
|  |  | <b>River Threat Index:</b> 2.75 |                                       |              |   |
|  |  |                                 | <b>Additional Site Features</b>       |              |   |
|  |  |                                 | <i>Stream Channel Woody Material:</i> | Infrequent   |   |
|  |  |                                 | <i>Impoundments:</i>                  | None         |   |
|  |  |                                 | <i>Substrate Composition:</i>         | Medium Sand  |   |
|  |  |                                 | <i>Bank Material:</i>                 | Sand         |   |

Notes: Adjacent to silviculture site.

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| <b>Shoal River</b>   | <b>ok-0422-006</b>   | <b>Severity Score<br/>2.75</b>   |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
|--|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|---|-------------|--------------|---|-------------------|-----------------|-----|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|------|------------------------------|------|---|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|----|-----|---|
| <u>Common:</u> 4.7mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.697864096, -86.540875945<br><u>Land owner:</u> LB: Sammy Sowell/ RB: Haiseal Timber Co  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-23W-3<br><u>Parcel No.:</u> 4/ 1        | <u>State:</u> Florida  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <br>LB  |  |  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0</td> </tr> <tr> <td><i>BEHI</i></td> <td>Low-Very Low</td> <td>0</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>0-29 ft</td> <td>0.75</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td align="right"><b>River Threat Index:</b></td> <td><b>2.75</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | Obvious Sources | 1.5 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 0-29 ft | 0.75 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.75</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <p><b>Additional Site Features</b></p> <p><i>Stream Channel Woody Material:</i> Numerous</p> <p><i>Impoundments:</i> None</p> <p><i>Substrate Composition:</i> Medium Sand</p> <p><i>Bank Material:</i> Grass and Roots</p> |
| Risk Factor  | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Channel Stability</i>   | Good   | 0.5  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Bank Erosion</i>  | Historic   | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>BEHI</i>  | Low-Very Low   | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Local NPSP</i>  | Obvious Sources  | 1.5  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>LB: Riparian Buffer</i>   | 0-29 ft  | 0.75   |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>RB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>River Threat Index:</b>   | <b>2.75</b>  |  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| Feature  | Within Range   | Descriptive Field  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>303(d)</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB                                 |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>Land Use/ Cover</b>   | Yes  | N/A / STREAMS AND WATERWAYS  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>Candidate Mussels</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |
| <b>Sturgeon C.H.</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |          |   |             |              |   |                   |                 |     |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |      |                              |      |   |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |   |

Notes: Residence on LB

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| Yellow River   | co-0807-006  | Severity Score<br><b>2.75</b>  |                                       |              |                   |
|--|--|--|---------------------------------------|--------------|-------------------|
| <u>Common:</u> 8.1mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.128073353, -86.421061485<br><u>Land owner:</u> Patricia Vick Moody | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-23<br><u>Parcel No.:</u> 1 | <u>State:</u> Alabama  |                                       |              |                   |
|   |  |  |                                       |              |                   |
| <b>LB</b>  |  |  |                                       |              |                   |
| Risk Factor  | Ranking  | Score  | Feature                               | Within Range | Descriptive Field |
| <i>Channel Stability</i>   | Good   | 0.5  | 303(d)                                | No           | N/A               |
| <i>Channel Alteration</i>  | None   | 0  | Wetland Species                       | No           | N/A               |
| <i>Bank Erosion</i>  | Active   | 1  | Rare and Imperiled                    | No           | N/A               |
| <i>BEHI</i>  | High   | 1  | Land Use/ Cover                       | No           | N/A               |
| <i>Local NPSP</i>  | No Evidence  | 0  | Candidate Mussels                     | No           | N/A               |
| <i>Shoring Structures</i>  | Not Present  | 0  | Sturgeon C.H.                         | No           | N/A               |
| <i>Pipe Discharge</i>  | Not Present  | 0  | <b>Additional Site Features</b>       |              |                   |
| <i>Water Odors</i>   | Not Present  | 0  | <i>Stream Channel Woody Material:</i> | None         |                   |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  | <i>Impoundments:</i>                  | None         |                   |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  | <i>Substrate Composition:</i>         | Medium Sand  |                   |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  | <i>Bank Material:</i>                 | Sand         |                   |
| <i>RB: Floodplain Access</i>   | Full   | 0  |                                       |              |                   |
| <i>LB: Floodplain Access</i>   | Partial  | 0.25   |                                       |              |                   |
| <b>River Threat Index:</b>   |  | <b>2.75</b>  |                                       |              |                   |

Notes: None.

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| Yellow River  |                                     | ok-0609-015  | Severity Score<br>2.5                 |             |   |
|---|-------------------------------------|--|---------------------------------------|-------------|---|
| <u>Common:</u> 5.7mi SW of Laurel Hill  |                                     | <u>County:</u> Okaloosa  |                                       |             |   |
| <u>Drainage:</u> Blackwater Bay   | <u>GPS:</u> 30.9529206, -86.5541652 | <u>PLSS:</u> 5N-23W-9  | <u>State:</u> Florida                 |             |   |
| <u>Land owner:</u> H.T.L. Family LTD Ptr  |                                     | <u>Parcel No.:</u> 1   |                                       |             |   |
|  |                                     |  |                                       |             |   |
| <b>RB</b>   |                                     |  |                                       |             |   |
| Risk Factor   | Ranking                             | Score  | Feature                               |             |   |
| <i>Channel Stability</i>  | Fair                                | 1  | <b>303d</b>                           | Yes         | COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>   | None                                | 0  | <b>Wetland Species</b>                | Yes         | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>   | Active                              | 1  | <b>Rare and Imperiled</b>             | Yes         | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>   | Moderate                            | 0.5  | <b>Land Use/ Cover</b>                | Yes         | N/A / STREAMS AND WATERWAYS   |
| <i>Local NPSP</i>   | No Evidence                         | 0  | <b>Candidate Mussels</b>              | No          | N/A   |
| <i>Shoring Structures</i>   | Not Present                         | 0  | <b>Sturgeon C.H.</b>                  | Yes         | N/A   |
| <i>Pipe Discharge</i>   | Not Present                         | 0  | <b>Additional Site Features</b>       |             |   |
| <i>Water Odors</i>  | Not Present                         | 0  | <i>Stream Channel Woody Material:</i> | Infrequent  |   |
| <i>Fish Passage Barrier</i>   | Not Present                         | 0  | <i>Impoundments:</i>                  | None        |   |
| <i>RB: Riparian Buffer</i>  | 100+ ft                             | 0  | <i>Substrate Composition:</i>         | Medium Sand |   |
| <i>LB: Riparian Buffer</i>  | 100+ ft                             | 0  | <i>Bank Material:</i>                 | Sand        |   |
| <i>RB: Floodplain Access</i>  | Full                                | 0  |                                       |             |   |
| <i>LB: Floodplain Access</i>  | Full                                | 0  |                                       |             |   |
| <b>River Threat Index:</b> 2.5  |                                     |  |                                       |             |   |

Notes: Adjacent to logging operation. Areas of clear cutting and unpaved private road.

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| Yellow River   | ok-0424-009  | Severity Score<br>2.5 |
|--|--|-----------------------|
| <u>Common:</u> 3.3mi W of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.758808, -86.624611<br><u>Land owner:</u> Gillis & Dixie Powell Jr.           | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-24W-14<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida |
| <br><b>RB</b>   |  |                       |
| <b>Risk Factor</b>   | <b>Ranking</b>   | <b>Score</b>          |
| <i>Channel Stability</i>   | Poor   | 1.5                   |
| <i>Channel Alteration</i>  | None   | 0                     |
| <i>Bank Erosion</i>  | Not Eroding  | 0                     |
| <i>BEHI</i>  | High   | 1                     |
| <i>Local NPSP</i>  | No Evidence  | 0                     |
| <i>Shoring Structures</i>  | Not Present  | 0                     |
| <i>Pipe Discharge</i>  | Not Present  | 0                     |
| <i>Water Odors</i>   | Not Present  | 0                     |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                     |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                     |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0                     |
| <i>RB: Floodplain Access</i>   | Full   | 0                     |
| <i>LB: Floodplain Access</i>   | Full   | 0                     |
| <b>River Threat Index:</b>   | <b>2.5</b>   |                       |
| <b>Feature</b> <b>Within Range</b> <b>Descriptive Field</b>  |  |                       |
| <b>303(d)</b> Yes      COLIFORMS, TURBIDITY, MERCURY   |  |                       |
| <b>Wetland Species</b> Yes      1-3 FOCAL SPECIES IN UPLAND AREAS  |  |                       |
| <b>Rare and Imperiled</b> Yes      ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |  |                       |
| <b>Land Use/ Cover</b> Yes      N/A / STREAMS AND WATERWAYS  |  |                       |
| <b>Candidate Mussels</b> Yes      NARROW PIGTOE, SOUTHERN SANDSHELL  |  |                       |
| <b>Sturgeon C.H.</b> Yes      N/A  |  |                       |
| <b>Additional Site Features</b>  |  |                       |
| <i>Stream Channel Woody Material:</i> Moderate   |  |                       |
| <i>Impoundments:</i> None  |  |                       |
| <i>Substrate Composition:</i> Coarse Sand  |  |                       |
| <i>Bank Material:</i> Coarse Sand  |  |                       |

Notes: Large aggradational site with some vegetation indicating it is not a recent deposit.

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| Yellow River  |                         | ok-0424-008  | Severity Score<br>2.5                 |             |   |
|---|-------------------------|--|---------------------------------------|-------------|---|
| <u>Common:</u> 3.0mi W of Crestview   | <u>County:</u> Okaloosa | <u>State:</u> Florida  |                                       |             |   |
| <u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.766217, -86.620981                       | <u>PLSS:</u> 3N-24W-14  |  |                                       |             |   |
| <u>Land owner:</u> Gillis & Dixie Powell Jr.  | <u>Parcel No.:</u> 1    |  |                                       |             |   |
| <br>RB |                         |  |                                       |             |   |
| Risk Factor   | Ranking                 | Score  | Feature                               |             |   |
| <i>Channel Stability</i>  | Poor                    | 1.5  | <b>303(d)</b>                         | Yes         | COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>   | None                    | 0  | <b>Wetland Species</b>                | Yes         | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>   | Historic                | 0  | <b>Rare and Imperiled</b>             | Yes         | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>   | High                    | 1  | <b>Land Use/ Cover</b>                | Yes         | N/A / STREAMS AND WATERWAYS   |
| <i>Local NPSP</i>   | No Evidence             | 0  | <b>Candidate Mussels</b>              | No          | N/A   |
| <i>Shoring Structures</i>   | Not Present             | 0  | <b>Sturgeon C.H.</b>                  | Yes         | N/A   |
| <i>Pipe Discharge</i>   | Not Present             | 0  | <b>Additional Site Features</b>       |             |   |
| <i>Water Odors</i>  | Not Present             | 0  | <i>Stream Channel Woody Material:</i> | Moderate    |   |
| <i>Fish Passage Barrier</i>   | Not Present             | 0  | <i>Impoundments:</i>                  | None        |   |
| <i>RB: Riparian Buffer</i>  | 100+ ft                 | 0  | <i>Substrate Composition:</i>         | Medium Sand |   |
| <i>LB: Riparian Buffer</i>  | 100+ ft                 | 0  | <i>Bank Material:</i>                 | Sand        |   |
| <i>RB: Floodplain Access</i>  | Full                    | 0  |                                       |             |   |
| <i>LB: Floodplain Access</i>  | Full                    | 0  |                                       |             |   |
| <b>River Threat Index:</b> 2.5  |                         |  |                                       |             |   |

Notes: Aggradational site. Large number of fresh deposits present.

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| <b>Shoal River</b>   | <b>ok-0423-008</b>   | <b>Severity Score<br/>2.5</b>                      |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
|--|--|--|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 3.7mi SE of Crestview, .10mi Upstream of I-10 bridge<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.728122, -86.521925<br><u>Land owner:</u> Haiseal Timber Co   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-23W-26<br><u>Parcel No.:</u> 9          | <u>State:</u> Florida                              |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <br><b>RB</b>   |  |  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Poor</td> <td>1.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Poor | 1.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | None | 0 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Channel Stability</i>   | Poor   | 1.5  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Bank Erosion</i>  | None   | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>BEHI</i>  | High   | 1  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>River Threat Index:</b>   | <b>2.5</b>   |  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| Feature  | Within Range   | Descriptive Field                                  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>303(d)</b>  | No   | N/A  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A / STREAMS AND WATERWAYS                        |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>   | No   | N/A  |       |                          |      |     |                           |      |   |                     |      |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |  |

Notes: Aggradational site.

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| Yellow River   | co-0824-004   | Severity Score<br>2.5  |
|--|---|--|
| <u>Common:</u> 2.8mi SW of Horn Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.219101448, -86.352660805<br><u>Land owner:</u> LB: Dixon Family LE/ RB: William Hurbert Henderson Jr. |   |  |
| <br>RB  | <br>Covington<br>3N-17E-21<br>1/2 | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-21<br><u>Parcel No.:</u> 1/2 |
| Risk Factor  | Ranking   | Score  |
| <i>Channel Stability</i>   | Good  | 0.5  |
| <i>Channel Alteration</i>  | None  | 0  |
| <i>Bank Erosion</i>  | Active  | 1  |
| <i>BEHI</i>  | Moderate  | 0.5  |
| <i>Local NPSP</i>  | No Evidence   | 0  |
| <i>Shoring Structures</i>  | Not Present   | 0  |
| <i>Pipe Discharge</i>  | Not Present   | 0  |
| <i>Water Odors</i>   | Not Present   | 0  |
| <i>Fish Passage Barrier</i>  | Not Present   | 0  |
| <i>RB: Riparian Buffer</i>   | 30-49 ft  | 0.5  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |
| <i>LB: Floodplain Access</i>   | Full  | 0  |
| <b>River Threat Index:</b>   |   | <b>2.5</b>   |
| Feature  | Within Range  | Descriptive Field  |
| <b>303(d)</b>  | No  | N/A  |
| <b>Wetland Species</b>   | No  | N/A  |
| <b>Rare and Imperiled</b>  | No  | N/A  |
| <b>Land Use/ Cover</b>   | Yes   | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST    |
| <b>Candidate Mussels</b>   | Yes   | SOUTHERN SANDSHELL   |
| <b>Sturgeon C.H.</b>   | No  | N/A  |
| <b>Additional Site Features</b>  |   |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |  |
| <i>Impoundments:</i> None  |   |  |
| <i>Substrate Composition:</i> Medium Sand  |   |  |
| <i>Bank Material:</i> Sand   |   |  |

Notes: New growth on eroded site

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| Yellow River   | co-0813-001  | Severity Score<br>2.5   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 7.6mi SE of Libertyville<br><u>Drainage:</u> Blackwater River <u>GPS:</u> 31.181927338, -86.36002324<br><u>Land owner:</u> Rayonier Woodlands LLC   | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-33<br><u>Parcel No.:</u> 1/572AC   | <u>State:</u> Alabama   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>RB</b>   |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
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padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>2.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Active | 1 | <i>BEHI</i> | High | 1 | <i>Local NPSR</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A / EAST GULF COASTAL PLAIN<br/>SMALL STREAM AND RIVER FLOODPLAIN FOREST</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><b>Additional Site Features</b></td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Impoundments:</i> None</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td align="center" colspan="3" style="padding: 2px;"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | Yes | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Good   | 0.5   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Active   | 1   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | High   | 1   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSR</i>  | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>2.5</b>   |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>   | No   | N/A   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent   |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |   |       |                          |      |     |                           |      |   |                     |        |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Large logging operation directly west of this site with bare soil.

Road or drainage from this area is leading into the river.

May be the cause of excessive turbidity and sedimentation downstream.

| Gum Creek  | wa-1026-004  | Severity Score<br>2.25              |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
|--|--|-------------------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|--------------|---|------------|-----------------|-----|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|----------|------|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|--|-------------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 7.7mi NW of DeFuniak Springs<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.782837831, -86.22350037<br><u>Land owner:</u> Victoria Arlene Trustee   | <u>County:</u> Walton<br><u>PLSS:</u> 3N-20W-2/3<br><u>Parcel No.:</u> 7; 1        | <u>State:</u> Florida               |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <br>US  |  |                                     |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td>BEHI</td> <td>Low-Very Low</td> <td>0</td> </tr> <tr> <td>Local NPSP</td> <td>Obvious Sources</td> <td>1.5</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>50-99 ft</td> <td>0.25</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>2.25</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking                             | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Not Eroding | 0 | BEHI | Low-Very Low | 0 | Local NPSP | Obvious Sources | 1.5 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 50-99 ft | 0.25 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> |  | <b>2.25</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Infrequent<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Silt     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking  | Score                               |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Stability  | Good   | 0.5                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Alteration   | None   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Bank Erosion   | Not Eroding  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| BEHI   | Low-Very Low   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Local NPSP   | Obvious Sources  | 1.5                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Shoring Structures   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Pipe Discharge   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Water Odors  | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Fish Passage Barrier   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Riparian Buffer  | 50-99 ft   | 0.25                                |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Riparian Buffer  | 100+ ft  | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Floodplain Access  | Full   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Floodplain Access  | Full   | 0                                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>   |  | <b>2.25</b>                         |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Feature  | Within Range   | Descriptive Field                   |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| 303(d)   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Wetland Species  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes  | AGRICULTURAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Candidate Mussels  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |             |   |      |              |   |            |                 |     |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |          |      |                     |         |   |                       |      |   |                       |      |   |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |  |

Notes: Old fence in stream and small creek on right bank.

Appears to be an access point for livestock, but there are none currently around.

Also an unpaved road on top of the left bank, as seen in the aerial.

| Gum Creek  | wa-1026-003  | Severity Score<br>2.25              |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|-------------------------------------|-------|-------------------|------|-----|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|---------|------|----------------------------|--|-------------|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 7.4mi NW of De Funiak Springs<br><u>Drainage:</u> Shoal River <u>GPS:</u> 30.793090229, -86.207789388<br><u>Land owner:</u> William Davis   | <u>County:</u> Walton<br><u>PLSS:</u> 3N-20W-2<br><u>Parcel No.:</u> 1             | <u>State:</u> Florida               |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|   |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| LB   |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>Channel Stability</td><td>Good</td><td>0.5</td></tr> <tr><td>Channel Alteration</td><td>None</td><td>0</td></tr> <tr><td>Bank Erosion</td><td>Active</td><td>1</td></tr> <tr><td>BEHI</td><td>Moderate</td><td>0.5</td></tr> <tr><td>Local NPSP</td><td>No Evidence</td><td>0</td></tr> <tr><td>Shoring Structures</td><td>Not Present</td><td>0</td></tr> <tr><td>Pipe Discharge</td><td>Not Present</td><td>0</td></tr> <tr><td>Water Odors</td><td>Not Present</td><td>0</td></tr> <tr><td>Fish Passage Barrier</td><td>Not Present</td><td>0</td></tr> <tr><td>RB: Riparian Buffer</td><td>100+ ft</td><td>0</td></tr> <tr><td>LB: Riparian Buffer</td><td>100+ ft</td><td>0</td></tr> <tr><td>RB: Floodplain Access</td><td>Full</td><td>0</td></tr> <tr><td>LB: Floodplain Access</td><td>Partial</td><td>0.25</td></tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>2.25</b></td></tr> </tbody> </table> | Risk Factor  | Ranking                             | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Active | 1 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Partial | 0.25 | <b>River Threat Index:</b> |  | <b>2.25</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>AGRICULTURAL/ STREAMS AND WATERWAYS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr><td colspan="3"><i>Stream Channel Woody Material:</i> Infrequent</td></tr> <tr><td colspan="3"><i>Impoundments:</i> None</td></tr> <tr><td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr><td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Infrequent |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score                               |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Channel Stability  | Good   | 0.5                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Channel Alteration   | None   | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Bank Erosion   | Active   | 1                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| BEHI   | Moderate   | 0.5                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Local NPSP   | No Evidence  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Shoring Structures   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Pipe Discharge   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Water Odors  | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Fish Passage Barrier   | Not Present  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| RB: Riparian Buffer  | 100+ ft  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| LB: Riparian Buffer  | 100+ ft  | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| RB: Floodplain Access  | Full   | 0                                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| LB: Floodplain Access  | Partial  | 0.25                                |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   |  | <b>2.25</b>                         |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field                   |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled   | No   | N/A                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover  | Yes  | AGRICULTURAL/ STREAMS AND WATERWAYS |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.  | No   | N/A                                 |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent   |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |                                     |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |         |      |                            |  |             |  |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                                     |                   |    |     |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: Private road on top of left bank. Agricultural land use.

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| Big Swamp Creek  |   | wa-1009-001  | Severity Score<br>2  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
|--|---|--|--|---------|-------|--------------------------|------|-----|---------------------------|-------------|---|---------------------|----------|-----|-------------|--------------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|--|----------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|-----|--|------------------------|-----|--------------------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|-----------------------------------|--|--|
| <u>Common:</u>   | 8.8mi NW of De Funiak Springs                   | <u>County:</u>                                     | Walton   |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <u>Drainage:</u>   | Shoal River                                     | <u>PLSS:</u>                                       | 0N-00W-00  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <u>Land owner:</u>   | W: NWFL Girl Scouts / E: William & Carmie Vines | <u>Parcel No.:</u>                                 | 2 / 1.005  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <br><b>RB</b>   |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Good</td> <td>0.5</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>In Recovery</td> <td>1</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td><i>BEHI</i></td> <td>Low-Very Low</td> <td>0</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td colspan="2"><b>River Threat Index:</b></td><td><b>2</b></td><td></td></tr> </tbody> </table> |   |  | Risk Factor  | Ranking | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | In Recovery | 1 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> |  | <b>2</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>INSTITUTIONAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Medium Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | INSTITUTIONAL/ STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Medium Sand |  |  |
| Risk Factor  | Ranking   | Score  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Channel Stability</i>   | Good  | 0.5  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Channel Alteration</i>  | In Recovery                                     | 1  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Bank Erosion</i>  | Historic  | 0.5  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>BEHI</i>  | Low-Very Low                                    | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Local NPSP</i>  | No Evidence                                     | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Shoring Structures</i>  | Not Present                                     | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Pipe Discharge</i>  | Not Present                                     | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Water Odors</i>   | Not Present                                     | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Fish Passage Barrier</i>  | Not Present                                     | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft   | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft   | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>RB: Floodplain Access</i>   | Full  | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>LB: Floodplain Access</i>   | Full  | 0  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>River Threat Index:</b>   |   | <b>2</b>   |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| Feature  | Within Range                                    | Descriptive Field                                  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>303(d)</b>  | No  | N/A  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Wetland Species</b>   | No  | N/A  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Rare and Imperiled</b>  | Yes   | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Land Use/ Cover</b>   | Yes   | INSTITUTIONAL/ STREAMS AND WATERWAYS               |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Candidate Mussels</b>   | No  | N/A  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Sturgeon C.H.</b>   | No  | N/A  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <b>Additional Site Features</b>  |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Impoundments:</i> None  |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Substrate Composition:</i> Medium Sand  |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |
| <i>Bank Material:</i> Medium Sand  |   |  |  |         |       |                          |      |     |                           |             |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |  |          |  |  |         |              |                   |               |    |     |                        |    |     |                           |     |  |                        |     |                                      |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                   |  |  |

Notes: No substantial riparian coverage. Small, uncut grasses

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| <b>Shoal River</b>   | <b>wa-0721-002</b>   | <b>Severity Score<br/>2</b> |                    |              |  |
|--|--|-----------------------------|--------------------|--------------|--|
| <u>Common:</u> 11.2mi NE of Crestview, 0.16 W of Laird Rd bridge crossing<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.785403799, -86.384180518<br><u>Land owner:</u> RB: Walter Billingsley / LB: William Corley | <u>County:</u> Walton<br><u>PLSS:</u> 3N-21W-6<br><u>Parcel No.:</u> 1.1003 / 1.1  | <u>State:</u> Florida       |                    |              |  |
|   |  |                             |                    |              |  |
| <b>RB</b>  |  |                             |                    |              |  |
| Risk Factor  | Ranking  | Score                       | Feature            | Within Range | Descriptive Field  |
| <i>Channel Stability</i>   | Good   | 0.5                         | 303(d)             | No           | N/A  |
| <i>Channel Alteration</i>  | None   | 0                           | Wetland Species    | No           | N/A  |
| <i>Bank Erosion</i>  | Historic   | 0.5                         | Rare and Imperiled | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB                                   |
| <i>BEHI</i>  | Moderate   | 0.5                         | Land Use/ Cover    | Yes          | AGRICULTURAL,PARCELS WITH NO VALUE/ STREAMS AND WATERWAYS, HARDWOOD CONIFEROUS-MIXED |
| <i>Local NPSP</i>  | No Evidence  | 0                           | Candidate Mussels  | No           | N/A  |
| <i>Shoring Structures</i>  | Not Present  | 0                           | Sturgeon C.H.      | No           | N/A  |
| <i>Pipe Discharge</i>  | Not Present  | 0                           |                    |              |  |
| <i>Water Odors</i>   | Not Present  | 0                           |                    |              |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                           |                    |              |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                           |                    |              |  |
| <i>LB: Riparian Buffer</i>   | 50-99 ft   | 0.25                        |                    |              |  |
| <i>RB: Floodplain Access</i>   | Partial  | 0.25                        |                    |              |  |
| <i>LB: Floodplain Access</i>   | Full   | 0                           |                    |              |  |
|  | <b>River Threat Index:</b>   | <b>2</b>                    |                    |              |  |
| <b>Additional Site Features</b>  |  |                             |                    |              |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |                             |                    |              |  |
| <i>Impoundments:</i> None  |  |                             |                    |              |  |
| <i>Substrate Composition:</i> Medium Sand  |  |                             |                    |              |  |
| <i>Bank Material:</i> Sand   |  |                             |                    |              |  |

Notes: None.

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| Shoal River   | ok-0721-005  | Severity Score<br>2                                |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
|---|--|--|-------|-------------------|------|-----|--------------------|------|---|--------------|--------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|-------------------------------------|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 9.6mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.784689, -86.410658<br><u>Land owner:</u> Ray Const   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-22W-2<br><u>Parcel No.:</u> 4           | <u>State:</u> Florida                              |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| <br>RB   |  |  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Active</td> <td>1</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Active | 1 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/ STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <i>Stream Channel Woody Material:</i> Moderate<br/> <i>Impoundments:</i> None<br/> <i>Substrate Composition:</i> Medium Sand<br/> <i>Bank Material:</i> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | Land Use/ Cover | Yes | AGRICULTURAL/ STREAMS AND WATERWAYS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Stability   | Good   | 0.5  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Channel Alteration  | None   | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Bank Erosion  | Active   | 1  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| BEHI  | Moderate   | 0.5  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Local NPSP  | No Evidence  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Shoring Structures  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Pipe Discharge  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Water Odors   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Fish Passage Barrier  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Riparian Buffer   | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Riparian Buffer   | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| RB: Floodplain Access   | Full   | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| LB: Floodplain Access   | Full   | 0  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| <b>River Threat Index:</b>  | <b>2</b>   |  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Feature   | Within Range   | Descriptive Field                                  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| 303(d)  | No   | N/A  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Rare and Imperiled  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Land Use/ Cover   | Yes  | AGRICULTURAL/ STREAMS AND WATERWAYS                |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Candidate Mussels   | No   | N/A  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |
| Sturgeon C.H.   | No   | N/A  |       |                   |      |     |                    |      |   |              |        |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                                     |                   |    |     |               |    |     |  |

Notes: Natural meander bend.

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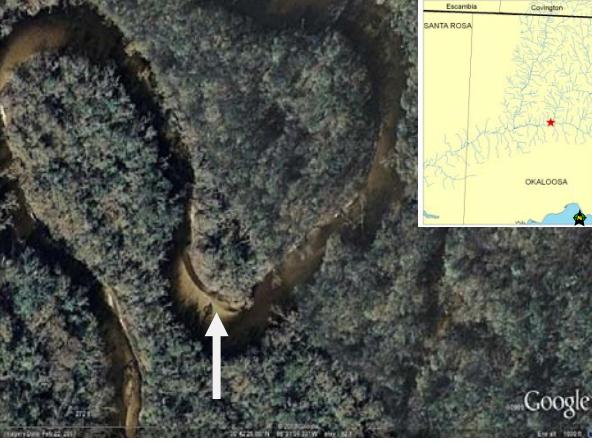
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| Shoal River  | ok-0721-003  | Severity Score<br>2  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
|--|--|--|---------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|--------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|--|
| <u>Common:</u> 10.3mi NW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.780504912, -86.397877118<br><u>Land owner:</u> Haiseal Timber Co   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-22W-1<br><u>Parcel No.:</u> 3 | <u>State:</u> Florida  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <br><b>LB</b>   |  |  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
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| Risk Factor  | Ranking  | Score  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Channel Stability</i>   | Good   | 0.5  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Channel Alteration</i>  | None   | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Bank Erosion</i>  | Active   | 1  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>BEHI</i>  | Moderate   | 0.5  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Water Odors</i>   | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <b>River Threat Index:</b>   | <b>2</b>   |  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |
| <p><u>Notes:</u> None</p> <hr/> <hr/> <hr/>  |  |  |         |       |                          |      |     |                           |      |   |                     |        |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |

| Yellow River  | ok-0608-006  | Severity Score<br>2   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|---|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|----------|------|------------------------------|------|---|------------------------------|---------|------|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|-----|-------------------------------|------------------------|-----|-----------------------------------|---------------------------|-----|---|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 6.9mi SW of Laurel Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.911646, -86.556784<br><u>Land owner:</u> H.T.L. Family LTD Ptr   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 5N-23W-21<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>LB</b>  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
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| Risk Factor   | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>  | Good   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>   | None   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>   | Moderate   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>  | 50-99 ft   | 0.25  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25  |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>  | <b>2</b>   |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>303(d)</b>   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Wetland Species</b>  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A / STREAMS AND WATERWAYS   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Clay  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <u>Notes:</u> Silviculture land use. Unpaved private road on LB   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |          |      |                              |      |   |                              |         |      |                            |          |  |   |         |              |                   |               |     |                               |                        |     |                                   |                           |     |   |                        |     |                             |                          |    |     |                      |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

| Shoal River  | ok-0422-005  | Severity Score<br>2                                |
|--|--|--|
| <u>Common:</u> 4.5mi SE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.70517488, -86.533003383<br><u>Land owner:</u> Haiseal Timber Co |  |  |
| <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-23W-3<br><u>Parcel No.:</u> 1   |  |  |
| <br>RB  | <br>Google |  |
| Risk Factor  | Ranking  | Score  |
| <i>Channel Stability</i>   | Poor   | 1.5  |
| <i>Channel Alteration</i>  | None   | 0  |
| <i>Bank Erosion</i>  | Not Eroding  | 0  |
| <i>BEHI</i>  | Moderate   | 0.5  |
| <i>Local NPSP</i>  | No Evidence  | 0  |
| <i>Shoring Structures</i>  | Not Present  | 0  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |
| <i>Water Odors</i>   | Not Present  | 0  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |
| <i>RB: Floodplain Access</i>   | Full   | 0  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |
| <b>River Threat Index:</b>   |  | <b>2</b>   |
| Feature  | Within Range   | Descriptive Field                                  |
| <b>303(d)</b>  | No   | N/A  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <b>Land Use/ Cover</b>   | Yes  | N/A / STREAMS AND WATERWAYS                        |
| <b>Candidate Mussels</b>   | No   | N/A  |
| <b>Sturgeon C.H.</b>   | No   | N/A  |
| <b>Additional Site Features</b>  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |  |
| <i>Impoundments:</i> None  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |  |
| <i>Bank Material:</i> Sand and Leaf Litter   |  |  |

Notes: Extremely shallow section of the river.

This sediment bar extends very far into the channel, leaving little room for the thalweg.

| Shoal River  | ok-0422-003  | Severity Score<br>2                                |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
|--|--|--|-------|-------------------|------|-----|--------------------|------|---|--------------|-------------|---|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|-----------------------------|-------------------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 4.5mi SE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.69905532, -86.591123401<br><u>Land owner:</u> NFWFMD  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 2N-23W-26<br><u>Parcel No.:</u> 1          | <u>State:</u> Florida                              |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| <br>LB  |  |  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
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| Risk Factor  | Ranking  | Score  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Channel Stability  | Poor   | 1.5  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Channel Alteration   | None   | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Bank Erosion   | Not Eroding  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| BEHI   | Moderate   | 0.5  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Local NPSP   | No Evidence  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Shoring Structures   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Pipe Discharge   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Water Odors  | Not Present  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Fish Passage Barrier   | Not Present  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| RB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| LB: Riparian Buffer  | 100+ ft  | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| RB: Floodplain Access  | Full   | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| LB: Floodplain Access  | Full   | 0  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| <b>River Threat Index:</b>   | <b>2</b>   |  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Feature  | Within Range   | Descriptive Field                                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| 303(d)   | No   | N/A  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Rare and Imperiled   | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Land Use/ Cover  | Yes  | N/A / STREAMS AND WATERWAYS                        |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Candidate Mussels  | No   | N/A  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |
| Sturgeon C.H.  | Yes  | N/A  |       |                   |      |     |                    |      |   |              |             |   |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |          |  |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |  |                 |     |                             |                   |    |     |               |     |     |  |

Notes: Natural depository feature, resulting from recent and historic flooding.

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| Yellow River   | co-0824-005  | Severity Score<br>2   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
|--|--|---|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|------|---|-------------------|--------------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|-----|--------------------|---------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|----------------------------|--|--|--|
| <u>Common:</u> 7.5mi from Opp<br><u>Drainage:</u> Blackwater Bay<br><u>Land owner:</u> Dixon Family LE   | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-21<br><u>Parcel No.:</u> 1         | <u>State:</u> Alabama   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <br><b>RB</b>   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
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| Risk Factor  | Ranking  | Score   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Fair   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Historic   | 0.5   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>BEHI</i>  | High   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Local NPSR</i>  | Moderate Potential   | 1   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>2</b>   |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| 303(d)   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Wetland Species  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Rare and Imperiled   | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Land Use/ Cover  | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Candidate Mussels  | Yes  | SOUTHERN SANDSHELL  |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| Sturgeon C.H.  | No   | N/A   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Infrequent   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium Sand  |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |   |       |                          |      |     |                           |      |   |                     |          |     |             |      |   |                   |                    |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                            |  |  |  |

Notes: None

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| Yellow River  | co-0609-007  | Severity Score<br>2   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
|---|--|-----------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|----------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|--|---------|--------------|-------------------|--------|-----|-----------------|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|-----|-----|--|
| <u>Common:</u> 12.5mi NW of Flora<br><u>Drainage:</u> Mississippi River <u>GPS:</u> 31.0362019, -86.5351409<br><u>Land owner:</u> RB: Carl & Rita Lawson/<br>LB: Wesley Laird & Allen Woodard   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-22<br><u>Parcel No.:</u> 4/ 4.02   | <u>State:</u> Alabama |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <br><b>RB</b>  |  |                       |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Fair</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">High</td><td style="padding: 2px;">1</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>2</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking               | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">METALS- MERCURY</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS- MERCURY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | Yes | N/A | <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Infrequent<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Sand     </p> |
| Risk Factor   | Ranking  | Score                 |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Channel Stability</i>  | Fair   | 1                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Bank Erosion</i>   | Historic   | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>BEHI</i>   | High   | 1                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| <b>River Threat Index:</b>  | <b>2</b>   |                       |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| 303(d)  | Yes  | METALS- MERCURY       |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Wetland Species   | No   | N/A                   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Rare and Imperiled  | No   | N/A                   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Land Use/ Cover   | No   | N/A                   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Candidate Mussels   | No   | N/A                   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |
| Sturgeon C.H.   | Yes  | N/A                   |       |                          |      |   |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |  |         |              |                   |        |     |                 |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |     |     |  |

Notes: Aggradational site: Large fresh deposits common with localized deposition on top of low bank.  
 Moderate number of deep pools.

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| Yellow River  | co-0609-005  | Severity Score<br>2   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
|---|--|-----------------------|-------|--------------------------|------|---|---------------------------|------|---|---------------------|-------------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|---------------|-----|-----------------|------------------------|----|-----|---------------------------|----|-----|------------------------|----|-----|--------------------------|----|-----|----------------------|-----|-----|--|
| <u>Common:</u> 12.2mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.04178406, -86.527705378<br><u>Land owner:</u> USA- Conecuh Nat. Forest.   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-23<br><u>Parcel No.:</u> 2         | <u>State:</u> Alabama |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <br>LB   |  |                       |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Not Eroding</td> <td>0</td> </tr> <tr> <td><i>BEHI</i></td> <td>High</td> <td>1</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>2</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking               | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Not Eroding | 0 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>2</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>Yes</td> <td>METALS- MERCURY</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>Yes</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Infrequent<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Clay Marl and Medium Sand<br/> <u>Bank Material:</u> Sand     </p> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | Yes | METALS- MERCURY | <b>Wetland Species</b> | No | N/A | <b>Rare and Imperiled</b> | No | N/A | <b>Land Use/ Cover</b> | No | N/A | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | Yes | N/A |  |
| Risk Factor   | Ranking  | Score                 |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Channel Stability</i>  | Fair   | 1                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Bank Erosion</i>   | Not Eroding  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>BEHI</i>   | High   | 1                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>River Threat Index:</b>  | <b>2</b>   |                       |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>303(d)</b>   | Yes  | METALS- MERCURY       |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Wetland Species</b>  | No   | N/A                   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Rare and Imperiled</b>   | No   | N/A                   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Land Use/ Cover</b>  | No   | N/A                   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Candidate Mussels</b>  | No   | N/A                   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A                   |       |                          |      |   |                           |      |   |                     |             |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |

Notes: Large aggradational site.

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| Shoal River   | wa-0720-004  | Severity Score<br>1.75 |   |              |  |
|---|--|------------------------|---|--------------|--|
| <u>Common:</u> 12.1mi NE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.78619569, -86.37058976<br><u>Land owner:</u> Thomas Grandstaff Jr |  |                        |   |              |  |
| <u>County:</u> Walton <u>State:</u> Florida<br><u>PLSS:</u> 3N-21W-5<br><u>Parcel No.:</u> 4.0001   |  |                        |   |              |  |
| <br>LB   |  |                        |   |              |  |
| Risk Factor   | Ranking  | Score                  | Feature   | Within Range | Descriptive Field                                  |
| <i>Channel Stability</i>  | Fair   | 1                      | 303(d)  | No           | N/A  |
| <i>Channel Alteration</i>   | None   | 0                      | Wetland Species   | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| <i>Bank Erosion</i>   | Historic   | 0.5                    | Rare and Imperiled  | Yes          | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |
| <i>BEHI</i>   | High   | 0                      | Land Use/ Cover   | No           | N/A  |
| <i>Local NPSP</i>   | No Evidence  | 0                      | Candidate Mussels   | No           | N/A  |
| <i>Shoring Structures</i>   | Not Present  | 0                      | Sturgeon C.H.   | No           | N/A  |
| <i>Pipe Discharge</i>   | Not Present  | 0                      | <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Moderate<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Medium Sand<br><i>Bank Material:</i> Sand |              |  |
| <i>Water Odors</i>  | Not Present  | 0                      |   |              |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                      |   |              |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                      |   |              |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                      |   |              |  |
| <i>RB: Floodplain Access</i>  | Partial  | 0.25                   |   |              |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                      |   |              |  |
| <b>River Threat Index:</b>  |  | <b>1.75</b>            |   |              |  |

Notes: Power line crossing

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| <b>Shoal River</b>   | <b>ok-0423-006</b>   | <b>Severity Score<br/>1.75</b>                     |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
|--|--|--|-------|--------------------------|------|---|---------------------------|------|---|---------------------|-------------|---|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|--|---------|--------------|-------------------|---------------|----|-----|------------------------|-----|-----------------------------------|---------------------------|-----|--|------------------------|-----|-----------------------------|--------------------------|----|-----|----------------------|----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|--|--|--|----------------------------|--|--|--|
| <u>Common:</u> 3.5mi SE of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.734083, -86.520383<br><u>Land owner:</u> Haiseal Timber Co  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-23W-26<br><u>Parcel No.:</u> 3          | <u>State:</u> Florida                              |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <br>LB  |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>Channel Stability</i></td> <td>Fair</td> <td>1</td> </tr> <tr> <td><i>Channel Alteration</i></td> <td>None</td> <td>0</td> </tr> <tr> <td><i>Bank Erosion</i></td> <td>Not eroding</td> <td>0</td> </tr> <tr> <td><i>BEHI</i></td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td><i>Local NPSP</i></td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td><i>Shoring Structures</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Pipe Discharge</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Water Odors</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>Fish Passage Barrier</i></td> <td>Not Present</td> <td>0</td> </tr> <tr> <td><i>RB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>LB: Riparian Buffer</i></td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td><i>RB: Floodplain Access</i></td> <td>Partial</td> <td>0.25</td> </tr> <tr> <td><i>LB: Floodplain Access</i></td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>1.75</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>Channel Stability</i> | Fair | 1 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Not eroding | 0 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td><b>303(d)</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Wetland Species</b></td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td><b>Rare and Imperiled</b></td> <td>Yes</td> <td>GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB</td> </tr> <tr> <td><b>Land Use/ Cover</b></td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td><b>Candidate Mussels</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td><b>Sturgeon C.H.</b></td> <td>No</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Moderate</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium and Fine Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | <b>303(d)</b> | No | N/A | <b>Wetland Species</b> | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | <b>Rare and Imperiled</b> | Yes | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB | <b>Land Use/ Cover</b> | Yes | N/A / STREAMS AND WATERWAYS | <b>Candidate Mussels</b> | No | N/A | <b>Sturgeon C.H.</b> | No | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Moderate |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium and Fine Sand |  |  | <i>Bank Material:</i> Sand |  |  |  |
| Risk Factor  | Ranking  | Score  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Channel Stability</i>   | Fair   | 1  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Channel Alteration</i>  | None   | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Bank Erosion</i>  | Not eroding  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>BEHI</i>  | Moderate   | 0.5  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Local NPSP</i>  | No Evidence  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Shoring Structures</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Pipe Discharge</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Water Odors</i>   | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>RB: Floodplain Access</i>   | Partial  | 0.25   |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>LB: Floodplain Access</i>   | Full   | 0  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>1.75</b>  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field                                  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>303(d)</b>  | No   | N/A  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Wetland Species</b>   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Rare and Imperiled</b>  | Yes  | GOLDSTRIPE DARTER, IRONCOLOR SHINER, SPECKLED CHUB |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A / STREAMS AND WATERWAYS                        |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Candidate Mussels</b>   | No   | N/A  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Sturgeon C.H.</b>   | No   | N/A  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Medium and Fine Sand   |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |
| <i>Bank Material:</i> Sand   |  |  |       |                          |      |   |                           |      |   |                     |             |   |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |  |         |              |                   |               |    |     |                        |     |                                   |                           |     |  |                        |     |                             |                          |    |     |                      |    |     |                                 |  |  |  |  |  |                           |  |  |  |  |  |                            |  |  |  |

Notes: Aggradational site: Large, fresh deposits common and low to moderate number of deep pools.

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| Yellow River  | co-0807-007  | Severity Score<br><b>1.75</b> |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
|---|--|-------------------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|---------|------|----------------------------|-------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|----|-----|-------------------|----|-----|---------------|----|-----|---------------------------------------|------|--|----------------------|------|--|-------------------------------|-------------|--|-----------------------|------|--|--|
| <u>Common:</u> 8.5mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.121751768, -86.422966052<br><u>Land owner:</u> Patricia Vick Moody  | <u>County:</u> Covington<br><u>PLSS:</u> 2N-16E-13<br><u>Parcel No.:</u> 1         | <u>State:</u> Alabama         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <br>LB   |  |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Moderate</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Partial</td><td style="padding: 2px;">0.25</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 2px;"><b>1.75</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking                       | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Partial | 0.25 | <b>River Threat Index:</b> | <b>1.75</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; 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padding: 2px;">None</td><td style="width: 33%; padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td><td style="padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td><td style="padding: 2px;"></td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand</td><td style="padding: 2px;"></td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | No | N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | None |  | <i>Impoundments:</i> | None |  | <i>Substrate Composition:</i> | Medium Sand |  | <i>Bank Material:</i> | Sand |  |  |
| Risk Factor   | Ranking  | Score                         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Channel Stability</i>  | Good   | 0.5                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Channel Alteration</i>   | None   | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>BEHI</i>   | Moderate   | 0.5                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Water Odors</i>  | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>LB: Floodplain Access</i>  | Partial  | 0.25                          |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <b>River Threat Index:</b>  | <b>1.75</b>  |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Feature   | Within Range   | Descriptive Field             |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| 303(d)  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Wetland Species   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Rare and Imperiled  | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Land Use/ Cover   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Candidate Mussels   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| Sturgeon C.H.   | No   | N/A                           |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Stream Channel Woody Material:</i>   | None   |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Impoundments:</i>  | None   |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Substrate Composition:</i>   | Medium Sand  |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <i>Bank Material:</i>   | Sand   |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
| <u>Notes:</u> Natural meander incision. Highly vegetated bank.  |  |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |
|   |  |                               |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |         |      |                            |             |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |    |     |                   |    |     |               |    |     |                                       |      |  |                      |      |  |                               |             |  |                       |      |  |  |

| Yellow River   | co-0609-008  | Severity Score<br>1.75 |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
|--|--|------------------------|---------------------------------------|--------------|----------------------|--------------------------|-------------------------------|-----------------|---------------------------|----------------|-----|---------------------------|----------|-----|------------------------|---------------|---------------|--------------------------|-------------|-----|---------------------------|-------------|-----|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|---------|------|------------------------------|------|---|----------------------------|-------------|--|
| <u>Common:</u> 12.6mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.03210119, -86.538494<br><u>Land owner:</u> RB: USA/ LB: Wesley Laird & Allen Woodard   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-22<br><u>Parcel No.:</u> 3/ 4.02   | <u>State:</u> Alabama  |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <br><b>RB</b>   |  |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Fair</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Historic</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Low- Very Low</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Partial</td><td style="padding: 5px;">0.25</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="text-align: right; padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: right; padding: 5px;"><b>1.75</b></td><td></td></tr> </tbody> </table> |  |                        | Risk Factor                           | Ranking      | Score                | <i>Channel Stability</i> | Fair                          | 1               | <i>Channel Alteration</i> | None           | 0   | <i>Bank Erosion</i>       | Historic | 0.5 | <i>BEHI</i>            | Low- Very Low | 0             | <i>Local NPSP</i>        | No Evidence | 0   | <i>Shoring Structures</i> | Not Present | 0   | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Partial | 0.25 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.75</b> |  |
| Risk Factor  | Ranking  | Score                  |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Channel Stability</i>   | Fair   | 1                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Channel Alteration</i>  | None   | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Bank Erosion</i>  | Historic   | 0.5                    |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>BEHI</i>  | Low- Very Low  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Local NPSP</i>  | No Evidence  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Shoring Structures</i>  | Not Present  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Pipe Discharge</i>  | Not Present  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Water Odors</i>   | Not Present  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Fish Passage Barrier</i>  | Not Present  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>RB: Riparian Buffer</i>   | 100+ ft  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>LB: Riparian Buffer</i>   | 100+ ft  | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>RB: Floodplain Access</i>   | Partial  | 0.25                   |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>LB: Floodplain Access</i>   | Full   | 0                      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>River Threat Index:</b>   | <b>1.75</b>  |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
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| Feature  | Within Range   | Descriptive Field      |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>303(d)</b>  | Yes  | METALS- MERCURY        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>Wetland Species</b>   | No   | N/A                    |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>Rare and Imperiled</b>  | No   | N/A                    |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>Land Use/ Cover</b>   | Yes  | N/A/ ROW CROP          |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>Candidate Mussels</b>   | No   | N/A                    |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <b>Sturgeon C.H.</b>   | Yes  | N/A                    |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <p style="text-align: center;"><b>Additional Site Features</b></p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"><i>Stream Channel Woody Material:</i></td><td style="width: 50%; padding: 5px;">Moderate</td></tr> <tr> <td style="padding: 5px;"><i>Impoundments:</i></td><td style="padding: 5px;">None</td></tr> <tr> <td style="padding: 5px;"><i>Substrate Composition:</i></td><td style="padding: 5px;">Medium Sand</td></tr> <tr> <td style="padding: 5px;"><i>Bank Material:</i></td><td style="padding: 5px;">Sand and Roots</td></tr> </table>   |  |                        | <i>Stream Channel Woody Material:</i> | Moderate     | <i>Impoundments:</i> | None                     | <i>Substrate Composition:</i> | Medium Sand     | <i>Bank Material:</i>     | Sand and Roots |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Stream Channel Woody Material:</i>  | Moderate   |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Impoundments:</i>   | None   |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Substrate Composition:</i>  | Medium Sand  |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |
| <i>Bank Material:</i>  | Sand and Roots   |                        |                                       |              |                      |                          |                               |                 |                           |                |     |                           |          |     |                        |               |               |                          |             |     |                           |             |     |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |         |      |                              |      |   |                            |             |  |

Notes: Nearby road runs parallel to river 60 feet east.

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| Yellow River  | ok-0608-005   | Severity Score<br>1.5  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
|---|---|--|---------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|---|-------------|------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|
| <u>Common:</u> 9.4mi N of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.898726, -86.563853<br><u>Land owner:</u> H.T.L. Family LTD Ptr  | <u>County:</u> Okaloosa<br><u>PLSS:</u> 5N-23W-29<br><u>Parcel No.:</u> 1 | <u>State:</u> Florida  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <br><b>RB</b>  |   |    |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Historic</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">High</td><td style="padding: 5px;">1</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px; text-align: right;"><b>River Threat Index:</b></td><td style="padding: 5px; text-align: center;"><b>1.5</b></td><td></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0 | <i>BEHI</i> | High | 1 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  |
| Risk Factor   | Ranking   | Score  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Channel Stability</i>  | Good  | 0.5  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Channel Alteration</i>   | None  | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Bank Erosion</i>   | Historic  | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>BEHI</i>   | High  | 1  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Local NPSP</i>   | No Evidence   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Shoring Structures</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Pipe Discharge</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Water Odors</i>  | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>Fish Passage Barrier</i>   | Not Present   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft   | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>RB: Floodplain Access</i>  | Full  | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <i>LB: Floodplain Access</i>  | Full  | 0  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <b>River Threat Index:</b>  | <b>1.5</b>  |  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <b>Feature</b> <b>Within Range</b> <b>Descriptive Field</b>   |   |  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b>  | Yes<br>No<br>Yes<br>Yes<br>No<br>Yes                                      | COLIFORMS, TURBIDITY, MERCURY<br>N/A<br>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER<br>AGRICULTURAL/ STREAMS AND WATERWAYS<br>N/A<br>N/A |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |
| <b>Additional Site Features</b><br><i>Stream Channel Woody Material:</i> Infrequent<br><i>Impoundments:</i> None<br><i>Substrate Composition:</i> Medium Sand<br><i>Bank Material:</i> Sand   |   |  |         |       |                          |      |     |                           |      |   |                     |          |   |             |      |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |

Notes: Aggradational Site: Large, fresh deposits are uncommon. Some build up on top of low banks.

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| Yellow River   | ok-0608-003  | Severity Score<br>1.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
|--|--|---|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|--------|-----|-------------------------------|-----------------|----|-----|--------------------|-----|---|-----------------|-----|-----------------------------|-------------------|----|-----|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|------------------------------------|--|--|----------------------------|--|--|--|
| <u>Common:</u> 6.7mi N of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.870603353, -86.581355104<br><u>Land owner:</u> LB: U.I.L Family LTD Ptr / RB: NFWFMD   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 4N-23W-6<br><u>Parcel No.:</u> 5/4         | <u>State:</u> Florida   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <br>LB  |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
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| Risk Factor  | Ranking  | Score   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Channel Stability  | Good   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Channel Alteration   | None   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Bank Erosion   | Historic   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| BEHI   | Moderate   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Local NPSP   | No Evidence  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Shoring Structures   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Pipe Discharge   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Water Odors  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Fish Passage Barrier   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| RB: Riparian Buffer  | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| LB: Riparian Buffer  | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| RB: Floodplain Access  | Full   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| LB: Floodplain Access  | Full   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>River Threat Index:</b>   | <b>1.5</b>   |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Feature  | Within Range   | Descriptive Field   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| 303(d)   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Wetland Species  | No   | N/A   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Rare and Imperiled   | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Land Use/ Cover  | Yes  | N/A / STREAMS AND WATERWAYS   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Candidate Mussels  | No   | N/A   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| Sturgeon C.H.  | Yes  | N/A   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <b>Additional Site Features</b>  |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Stream Channel Woody Material:</i> Moderate   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Impoundments:</i> None  |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Substrate Composition:</i> Clay   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |
| <i>Bank Material:</i> Clay   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |    |     |                    |     |   |                 |     |                             |                   |    |     |               |     |     |                                 |  |  |  |  |  |                           |  |  |                                    |  |  |                            |  |  |  |

Notes: Adjacent to silviculture site with large clear cut areas

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| Yellow River  | ok-0424-010  | Severity Score<br>1.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
|---|--|---|-------|-------------------|------|-----|--------------------|------|---|--------------|----------|-----|------|----------|-----|------------|-------------|---|--------------------|-------------|---|----------------|-------------|---|-------------|-------------|---|----------------------|-------------|---|---------------------|---------|---|---------------------|---------|---|-----------------------|------|---|-----------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|--------|-----|-------------------------------|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|-----------------------------|-------------------|-----|-----------------------------------|---------------|-----|-----|---------------------------------|--|--|--|--|--|---------------------------|--|--|---|--|--|--------------------------------------|--|--|--|
| <u>Common:</u> 3.2mi SW of Crestview<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.757006293, -86.625170177<br><u>Land owner:</u> Gillis & Dixie Powell Jr.   | <u>County:</u> Okaloosa<br><u>PLSS:</u> 3N-24W-14<br><u>Parcel No.:</u> 1                    | <u>State:</u> Florida   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <br>RB   | <br>Google |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>Channel Stability</td> <td>Good</td> <td>0.5</td> </tr> <tr> <td>Channel Alteration</td> <td>None</td> <td>0</td> </tr> <tr> <td>Bank Erosion</td> <td>Historic</td> <td>0.5</td> </tr> <tr> <td>BEHI</td> <td>Moderate</td> <td>0.5</td> </tr> <tr> <td>Local NPSP</td> <td>No Evidence</td> <td>0</td> </tr> <tr> <td>Shoring Structures</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Pipe Discharge</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Water Odors</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>Fish Passage Barrier</td> <td>Not Present</td> <td>0</td> </tr> <tr> <td>RB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>LB: Riparian Buffer</td> <td>100+ ft</td> <td>0</td> </tr> <tr> <td>RB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td>LB: Floodplain Access</td> <td>Full</td> <td>0</td> </tr> <tr> <td><b>River Threat Index:</b></td> <td><b>1.5</b></td> <td></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score | Channel Stability | Good | 0.5 | Channel Alteration | None | 0 | Bank Erosion | Historic | 0.5 | BEHI | Moderate | 0.5 | Local NPSP | No Evidence | 0 | Shoring Structures | Not Present | 0 | Pipe Discharge | Not Present | 0 | Water Odors | Not Present | 0 | Fish Passage Barrier | Not Present | 0 | RB: Riparian Buffer | 100+ ft | 0 | LB: Riparian Buffer | 100+ ft | 0 | RB: Floodplain Access | Full | 0 | LB: Floodplain Access | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>Yes</td> <td>COLIFORMS, TURBIDITY, MERCURY</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A / STREAMS AND WATERWAYS</td> </tr> <tr> <td>Candidate Mussels</td> <td>Yes</td> <td>NARROW PIGTOE, SOUTHERN SANDSHELL</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>Yes</td> <td>N/A</td> </tr> <tr> <td colspan="3"><b>Additional Site Features</b></td></tr> <tr> <td colspan="3"><i>Stream Channel Woody Material:</i> Numerous</td></tr> <tr> <td colspan="3"><i>Impoundments:</i> None</td></tr> <tr> <td colspan="3"><i>Substrate Composition:</i> Medium Sand</td></tr> <tr> <td colspan="3"><i>Bank Material:</i> Sand and Roots</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | COLIFORMS, TURBIDITY, MERCURY | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | Land Use/ Cover | Yes | N/A / STREAMS AND WATERWAYS | Candidate Mussels | Yes | NARROW PIGTOE, SOUTHERN SANDSHELL | Sturgeon C.H. | Yes | N/A | <b>Additional Site Features</b> |  |  | <i>Stream Channel Woody Material:</i> Numerous |  |  | <i>Impoundments:</i> None |  |  | <i>Substrate Composition:</i> Medium Sand |  |  | <i>Bank Material:</i> Sand and Roots |  |  |  |
| Risk Factor   | Ranking  | Score   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Channel Stability   | Good   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Channel Alteration  | None   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Bank Erosion  | Historic   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| BEHI  | Moderate   | 0.5   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Local NPSP  | No Evidence  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Shoring Structures  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Pipe Discharge  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Water Odors   | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Fish Passage Barrier  | Not Present  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| RB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| LB: Riparian Buffer   | 100+ ft  | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| RB: Floodplain Access   | Full   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| LB: Floodplain Access   | Full   | 0   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Feature   | Within Range   | Descriptive Field   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| 303(d)  | Yes  | COLIFORMS, TURBIDITY, MERCURY   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Rare and Imperiled  | Yes  | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Land Use/ Cover   | Yes  | N/A / STREAMS AND WATERWAYS   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Candidate Mussels   | Yes  | NARROW PIGTOE, SOUTHERN SANDSHELL   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| Sturgeon C.H.   | Yes  | N/A   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <b>Additional Site Features</b>   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Stream Channel Woody Material:</i> Numerous  |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Impoundments:</i> None   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Substrate Composition:</i> Medium Sand   |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |
| <i>Bank Material:</i> Sand and Roots  |  |   |       |                   |      |     |                    |      |   |              |          |     |      |          |     |            |             |   |                    |             |   |                |             |   |             |             |   |                      |             |   |                     |         |   |                     |         |   |                       |      |   |                       |      |   |                            |            |  |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |   |                 |     |                             |                   |     |                                   |               |     |     |                                 |  |  |  |  |  |                           |  |  |   |  |  |                                      |  |  |  |

Notes: None.

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| Yellow River  | co-0824-003  | Severity Score<br>1.5  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
|---|--|--|---------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|
| <u>Common:</u> 6.6mi SE of Libertyville<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.222594183, -86.351242666<br><u>Land owner:</u> Patricia Vick Moody  | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-16<br><u>Parcel No.:</u> 1 | <u>State:</u> Alabama  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <br><b>RB</b>  |  |  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Risk Factor</th> <th style="text-align: left; padding: 5px;">Ranking</th> <th style="text-align: left; padding: 5px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Channel Stability</i></td><td style="padding: 5px;">Good</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Channel Alteration</i></td><td style="padding: 5px;">None</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Bank Erosion</i></td><td style="padding: 5px;">Historic</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>BEHI</i></td><td style="padding: 5px;">Moderate</td><td style="padding: 5px;">0.5</td></tr> <tr> <td style="padding: 5px;"><i>Local NPSP</i></td><td style="padding: 5px;">No Evidence</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Shoring Structures</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Pipe Discharge</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Water Odors</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>Fish Passage Barrier</i></td><td style="padding: 5px;">Not Present</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Riparian Buffer</i></td><td style="padding: 5px;">100+ ft</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>RB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px;"><i>LB: Floodplain Access</i></td><td style="padding: 5px;">Full</td><td style="padding: 5px;">0</td></tr> <tr> <td style="padding: 5px; text-align: right;"><b>River Threat Index:</b></td><td style="padding: 5px; text-align: center;"><b>1.5</b></td><td></td></tr> </tbody> </table> |  | Risk Factor  | Ranking | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | None | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Moderate | 0.5 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1.5</b> |  |  |
| Risk Factor   | Ranking  | Score  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Channel Stability</i>  | Good   | 0.5  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Channel Alteration</i>   | None   | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Bank Erosion</i>   | Historic   | 0.5  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>BEHI</i>   | Moderate   | 0.5  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Local NPSP</i>   | No Evidence  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Shoring Structures</i>   | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Pipe Discharge</i>   | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Water Odors</i>  | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>RB: Floodplain Access</i>  | Full   | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <i>LB: Floodplain Access</i>  | Full   | 0  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |
| <p><u>Notes:</u> None.</p> <hr/> <hr/> <hr/>  |  |  |         |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |

| Yellow River  | co-0609-004  | Severity Score<br>1.5 |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
|---|--|-----------------------|-------|--------------------------|------|-----|---------------------------|------|---|---------------------|----------|-----|-------------|----------|-----|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|--|---------|--------------|-------------------|---------------|-----|-----------------|------------------------|----|-----|---------------------------|----|-----|------------------------|----|-----|--------------------------|----|-----|----------------------|-----|-----|--|
| <u>Common:</u> 11.8mi NW of Flora<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.0501274, -86.519192<br><u>Land owner:</u> LB: Nathaniel Wright, Tr. / RB: USA   | <u>County:</u> Covington<br><u>PLSS:</u> 1N-15E-14<br><u>Parcel No.:</u> 3/1       | <u>State:</u> Alabama |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <br>RB   |  |                       |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
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| Risk Factor   | Ranking  | Score                 |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Channel Stability</i>  | Good   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Channel Alteration</i>   | None   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Bank Erosion</i>   | Historic   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>BEHI</i>   | Moderate   | 0.5                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Water Odors</i>  | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0                     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>River Threat Index:</b>  | <b>1.5</b>   |                       |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| Feature   | Within Range   | Descriptive Field     |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>303(d)</b>   | Yes  | METALS- MERCURY       |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Wetland Species</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Rare and Imperiled</b>   | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Land Use/ Cover</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Candidate Mussels</b>  | No   | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |
| <b>Sturgeon C.H.</b>  | Yes  | N/A                   |       |                          |      |     |                           |      |   |                     |          |     |             |          |     |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |  |         |              |                   |               |     |                 |                        |    |     |                           |    |     |                        |    |     |                          |    |     |                      |     |     |  |

Notes: None

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| Yellow River  | ok-0609-013  | Severity Score<br>1          |                                       |                |   |
|---|--|------------------------------|---------------------------------------|----------------|---|
| <u>Common:</u> 5.8 W of Laurel Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 30.9615637, -86.555512<br><u>Land owner:</u> Ray Construction of Okaloosa County | <u>County:</u> Okaloosa<br><u>PLSS:</u> 5N-23W-4<br><u>Parcel No.:</u> 2           | <u>State:</u> Florida        |                                       |                |   |
| <br>RB   |  |                              |                                       |                |   |
| Risk Factor   | Ranking  | Score                        | Feature                               | Within Range   | Descriptive Field   |
| <i>Channel Stability</i>  | Good   | 0.5                          | <b>303(d)</b>                         | Yes            | COLIFORMS, TURBIDITY, MERCURY   |
| <i>Channel Alteration</i>   | None   | 0                            | <b>Wetland Species</b>                | Yes            | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| <i>Bank Erosion</i>   | Historic   | 0.5                          | <b>Rare and Imperiled</b>             | Yes            | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| <i>BEHI</i>   | Low-Very Low   | 0                            | <b>Land Use/ Cover</b>                | Yes            | N/A / STREAMS AND WATERWAYS   |
| <i>Local NPSP</i>   | No Evidence  | 0                            | <b>Candidate Mussels</b>              | No             | N/A   |
| <i>Shoring Structures</i>   | Not Present  | 0                            | <b>Sturgeon C.H.</b>                  | Yes            | N/A   |
| <i>Pipe Discharge</i>   | Not Present  | 0                            |                                       |                |   |
| <i>Water Odors</i>  | Not Present  | 0                            |                                       |                |   |
| <i>Fish Passage Barrier</i>   | Not Present  | 0                            |                                       |                |   |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0                            |                                       |                |   |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0                            |                                       |                |   |
| <i>RB: Floodplain Access</i>  | Full   | 0                            |                                       |                |   |
| <i>LB: Floodplain Access</i>  | Full   | 0                            |                                       |                |   |
|   |  | <b>River Threat Index:</b> 1 |                                       |                |   |
|   |  |                              | <b>Additional Site Features</b>       |                |   |
|   |  |                              | <i>Stream Channel Woody Material:</i> | Infrequent     |   |
|   |  |                              | <i>Impoundments:</i>                  | None           |   |
|   |  |                              | <i>Substrate Composition:</i>         | Medium Sand    |   |
|   |  |                              | <i>Bank Material:</i>                 | Sand and Roots |   |

Notes: Path leading down to point bar on LB. Large clear cut area on RB, partially see in above aerial photo.

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| Yellow River  | co-0824-001  | Severity Score<br>1   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
|---|--|---|-------|--------------------------|-----------|---|---------------------------|----------|-----|---------------------|-------------|---|-------------|--------------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|------------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|-----|--------------|---------------|----|-----|---------------------------------------|------------|----------------------|------|-------------------------------|-------------|-----------------------|----------------|--|
| <u>Common:</u> 1.3mi SW of Horn Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.239741367, -86.337871556<br><u>Land owner:</u> Unknown   | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-10<br><u>Parcel No.:</u> 8         | <u>State:</u> Alabama   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <br>US   |  |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
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padding: 5px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 5px;"><b>0.5</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Excellent | 0 | <i>Channel Alteration</i> | Historic | 0.5 | <i>Bank Erosion</i> | Not Eroding | 0 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>0.5</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Feature</th> <th style="text-align: left; padding: 5px;">Within Range</th> <th style="text-align: left; padding: 5px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">303(d)</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Wetland Species</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Rare and Imperiled</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> <tr> <td style="padding: 5px;">Land Use/ Cover</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">N/A / EAST GULF COASTAL PLAIN<br/>SMALL STREAM AND RIVER FLOODPLAIN FOREST</td></tr> <tr> <td style="padding: 5px;">Candidate Mussels</td><td style="padding: 5px;">Yes</td><td style="padding: 5px;">CHOCTAW BEAN</td></tr> <tr> <td style="padding: 5px;">Sturgeon C.H.</td><td style="padding: 5px;">No</td><td style="padding: 5px;">N/A</td></tr> </tbody> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;">Additional Site Features</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;"><i>Stream Channel Woody Material:</i></td><td style="width: 70%; padding: 2px;">Infrequent</td></tr> <tr> <td style="padding: 2px;"><i>Impoundments:</i></td><td style="padding: 2px;">None</td></tr> <tr> <td style="padding: 2px;"><i>Substrate Composition:</i></td><td style="padding: 2px;">Medium Sand</td></tr> <tr> <td style="padding: 2px;"><i>Bank Material:</i></td><td style="padding: 2px;">Sand and Roots</td></tr> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST | Candidate Mussels | Yes | CHOCTAW BEAN | Sturgeon C.H. | No | N/A | <i>Stream Channel Woody Material:</i> | Infrequent | <i>Impoundments:</i> | None | <i>Substrate Composition:</i> | Medium Sand | <i>Bank Material:</i> | Sand and Roots |  |
| Risk Factor   | Ranking  | Score   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Channel Stability</i>  | Excellent  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Channel Alteration</i>   | Historic   | 0.5   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Bank Erosion</i>   | Not Eroding  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>BEHI</i>   | Low-Very Low   | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <b>River Threat Index:</b>  | <b>0.5</b>   |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| 303(d)  | No   | N/A   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Wetland Species   | No   | N/A   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Rare and Imperiled  | No   | N/A   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Land Use/ Cover   | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Candidate Mussels   | Yes  | CHOCTAW BEAN  |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| Sturgeon C.H.   | No   | N/A   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Stream Channel Woody Material:</i>   | Infrequent   |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Impoundments:</i>  | None   |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Substrate Composition:</i>   | Medium Sand  |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |
| <i>Bank Material:</i>   | Sand and Roots   |   |       |                          |           |   |                           |          |     |                     |             |   |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |            |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |              |               |    |     |                                       |            |                      |      |                               |             |                       |                |  |

Notes: River braided under bridge crossing.

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| Yellow River  | co-0819-001  | Severity Score<br>1   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
|---|--|---|-------|--------------------------|------|-----|---------------------------|----------------------------|---|---------------------|----------|-----|-------------|--------------|---|-------------------|-------------|---|---------------------------|-------------|---|-----------------------|-------------|---|--------------------|-------------|---|-----------------------------|-------------|---|----------------------------|---------|---|----------------------------|---------|---|------------------------------|------|---|------------------------------|------|---|----------------------------|----------|--|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|-----|--------------------|---------------|----|-----|--|
| <u>Common:</u> 3.4mi SW of Horn Hill<br><u>Drainage:</u> Blackwater Bay <u>GPS:</u> 31.210386, -86.357481<br><u>Land owner:</u> LB: Rayonier Woodlands LLC/<br>RB: T. Ivey Powell & Sons Inc  | <u>County:</u> Covington<br><u>PLSS:</u> 3N-17E-21<br><u>Parcel No.:</u> 4/3       | <u>State:</u> Alabama   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <br><b>LB</b>  |  |   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Risk Factor</th> <th style="text-align: left; padding: 2px;">Ranking</th> <th style="text-align: left; padding: 2px;">Score</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><i>Channel Stability</i></td><td style="padding: 2px;">Good</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>Channel Alteration</i></td><td style="padding: 2px;">Historic, Mostly Recovered</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Bank Erosion</i></td><td style="padding: 2px;">Historic</td><td style="padding: 2px;">0.5</td></tr> <tr> <td style="padding: 2px;"><i>BEHI</i></td><td style="padding: 2px;">Low-Very Low</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Local NPSP</i></td><td style="padding: 2px;">No Evidence</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Shoring Structures</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Pipe Discharge</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Water Odors</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>Fish Passage Barrier</i></td><td style="padding: 2px;">Not Present</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Riparian Buffer</i></td><td style="padding: 2px;">100+ ft</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>RB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="padding: 2px;"><i>LB: Floodplain Access</i></td><td style="padding: 2px;">Full</td><td style="padding: 2px;">0</td></tr> <tr> <td style="text-align: right; padding: 2px;"><b>River Threat Index:</b></td><td style="text-align: center; padding: 2px;"><b>1</b></td><td></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>Channel Stability</i> | Good | 0.5 | <i>Channel Alteration</i> | Historic, Mostly Recovered | 0 | <i>Bank Erosion</i> | Historic | 0.5 | <i>BEHI</i> | Low-Very Low | 0 | <i>Local NPSP</i> | No Evidence | 0 | <i>Shoring Structures</i> | Not Present | 0 | <i>Pipe Discharge</i> | Not Present | 0 | <i>Water Odors</i> | Not Present | 0 | <i>Fish Passage Barrier</i> | Not Present | 0 | <i>RB: Riparian Buffer</i> | 100+ ft | 0 | <i>LB: Riparian Buffer</i> | 100+ ft | 0 | <i>RB: Floodplain Access</i> | Full | 0 | <i>LB: Floodplain Access</i> | Full | 0 | <b>River Threat Index:</b> | <b>1</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">303(d)</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Wetland Species</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Rare and Imperiled</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;">Land Use/ Cover</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">N/A / EAST GULF COASTAL PLAIN<br/>SMALL STREAM AND RIVER FLOODPLAIN FOREST</td></tr> <tr> <td style="padding: 2px;">Candidate Mussels</td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">SOUTHERN SANDSHELL</td></tr> <tr> <td style="padding: 2px;">Sturgeon C.H.</td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p> <u>Stream Channel Woody Material:</u> Moderate<br/> <u>Impoundments:</u> None<br/> <u>Substrate Composition:</u> Medium Sand<br/> <u>Bank Material:</u> Sand     </p> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST | Candidate Mussels | Yes | SOUTHERN SANDSHELL | Sturgeon C.H. | No | N/A |  |
| Risk Factor   | Ranking  | Score   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Channel Stability</i>  | Good   | 0.5   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Channel Alteration</i>   | Historic, Mostly Recovered   | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Bank Erosion</i>   | Historic   | 0.5   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>BEHI</i>   | Low-Very Low   | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Local NPSP</i>   | No Evidence  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Shoring Structures</i>   | Not Present  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Pipe Discharge</i>   | Not Present  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Water Odors</i>  | Not Present  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>Fish Passage Barrier</i>   | Not Present  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>RB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>LB: Riparian Buffer</i>  | 100+ ft  | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>RB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <i>LB: Floodplain Access</i>  | Full   | 0   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| <b>River Threat Index:</b>  | <b>1</b>   |   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Feature   | Within Range   | Descriptive Field   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| 303(d)  | No   | N/A   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Wetland Species   | No   | N/A   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Rare and Imperiled  | No   | N/A   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Land Use/ Cover   | Yes  | N/A / EAST GULF COASTAL PLAIN<br>SMALL STREAM AND RIVER FLOODPLAIN FOREST |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Candidate Mussels   | Yes  | SOUTHERN SANDSHELL  |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |
| Sturgeon C.H.   | No   | N/A   |       |                          |      |     |                           |                            |   |                     |          |     |             |              |   |                   |             |   |                           |             |   |                       |             |   |                    |             |   |                             |             |   |                            |         |   |                            |         |   |                              |      |   |                              |      |   |                            |          |  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |     |                    |               |    |     |  |

Notes: Some erosion, but may be a natural meander incision.

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## Unnamed tributary

wa-0714-r-004

Sedimentation Risk Index  
**28**

Common: 7.7mi NW of De Funiak Springs  
Drainage: Gum Creek GPS: 30.805717, -86.199142  
Land owner: Mary & Ted Frymire-US, Gloria Courtney-DS

County: Walton  
PLSS(T-R-S): 4N-20-36  
Parcel No.: 5.001; 2.9  
Road Name: Andrews Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | D                          | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Native Soil            | 1         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>28</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 15,31,32  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>HYDRIC PINE FLATWOODS,<br>UNIMPROVED PASTURES, HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS drop off

## Unnamed tributary

ok-0429-r-005

Sedimentation Risk Index  
**30**

Common: 4.4mi W of Crestview  
Drainage: Yellow River      GPS: 30.741414552, -86.641121324  
Land owner: T.V. Kolmetz

County: Okaloosa  
PLSS(T-R-S): 3N-24-22  
Parcel No.: 3.20010  
Road Name: Al Gillman Rd

State: Florida



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Blocked                          | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>30</b> |

#### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 4,6,12,13,27,34,36,43,49,50,51,52  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.2in

| Feature                   | Within Range | Descriptive Field  |
|---------------------------|--------------|--|
| <b>303(d)</b>             | Yes          | COLIFORMS, TURBIDITY, MERCURY  |
| <b>Wetland Species</b>    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| <b>Rare and Imperiled</b> | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| <b>Land Use/ Cover</b>    | Yes          | N/A/<br>WETLAND FORESTED MIX   |
| <b>Candidate Mussels</b>  | No           | N/A  |
| <b>Sturgeon C.H.</b>      | No           | N/A  |

Notes: Private impounded system

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## Unnamed tributary

ok-0429-r-008

Sedimentation Risk Index  
**30**

Common: 5.0mi W of Crestview  
Drainage: Yellow River      GPS: 30.735068394, -86.649976145  
Land owner: James A. Gillman- US, Jake & Julia Phillips- DS

County: Okaloosa  
PLSS(T-R-S): 3N-24-28  
Parcel No.: 2, 6  
Road Name: Al Gillman Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | >30°                       | 1         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>30</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1?  
Crossing Materials: Unknown  
Soil Types: 4,6,12,13,27,34,36,43,49,50,51,52  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | Yes          | COLIFORMS, TURBIDITY, MERCURY  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL / HARDWOOD CONIFEROUS-MIXED   |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Crossing structure unknown- inaccessible due to fenced off private property.

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## Unnamed tributary

co-0831-r-013

Sedimentation Risk Index

**32**

Common: 7.9mi SW of Opp  
Drainage: Indian Creek GPS: 31.195797, -86.343972  
Land owner: Unknown- Under 5AC not displayed

County: Covington  
PLSS (T-R-S): 3N-17E-27  
Parcel No.: Unknown  
Road Name: Coon Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                       | 3         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoB,CdC,MBA,OrC,OrE,TrB  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Fence across DS

## Unnamed tributary

ok-0415-r-001

Sedimentation Risk Index  
**32**

Common: 5.8mi NW of Crestview  
Drainage: Cotton Creek GPS: 30.822903945, -86.637095506  
Land owner: Ronald Lemoyne Showers-US, Leah Helms-DS

County: Okaloosa  
PLSS(T-R-S): 4N-24-27  
Parcel No.: 4-023/4-000  
Road Name: Cotton Creek Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                  | 5         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>32</b> |

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 3  
Crossing Materials: Metal  
Soil Types: 23,24,26,43,49  
Rt Approach Prism Fill: 2.5in  
Lt Approach Prism Fill: 2.0in



Notes: Pipe discharging US LT outlet. Road approaches in disrepair- not drivable.

## Unnamed tributary

wa-0714-r-008

Sedimentation Risk Index  
**32**

Common: 10.5mi NW of DeFuniak Springs  
Drainage: Big Swamp Creek GPS: 30.856442,-86.192545  
Land owner: J.B.& Betty Coon-US, R&J Farm LLC-DS

County: Walton  
PLSS(T-R-S): 4N-20-12  
Parcel No.: 5.001; 1.001  
Road Name: Brown Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | PONDERED                         | 1         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 22,60  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER                  |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ FOREST REGENERATION AREAS, FALLOW CROP LAND |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Sediment island forming in pond due to loading from culvert. Fencing across DS pond access.

## Unnamed tributary

wa-0723-r-001

Sedimentation Risk Index  
**32**

Common: 6.3mi SE of Florala  
Drainage: Caney Creek GPS: 30.943976144, -86.223062475  
Land owner: Elizabeth Bopp-DS, Halver Brown Jr-US

County: Walton  
PLSS (T-R-S): 5N-20-10-3000  
Parcel No.: 7; 8  
Road Name: Davis Rd

State: Florida



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | D                                | 1         |
| <i>DS Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | >30°                             | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>32</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 6,13,14,15,31,32,59,60  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field                          |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>MIXED SCRUB-SHRUB WETLAND |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

## Unnamed tributary

co-0904-r-005

Sedimentation Risk Index  
**34**

Common: 6.9mi SE of Andalusia  
Drainage: Yellow River      GPS: 31.238533971, -86.399938336  
Land owner: Dixon Family -US, Rayonier Woodlands LLC -DS

County: Covington  
PLSS (T-R-S): 3N-16E-12  
Parcel No.: 4; 5  
Road Name: Willy Moore Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                    | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: CdB,CdC,DmB  
Rt Approach Prism Fill: 0.4in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: High bare sediment fill over culvert.

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| Unnamed tributary   | co-0904-r-013   | Sedimentation Risk Index<br><b>34</b> |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
|---|---|---------------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|------------------|-----------|---|--|
| <u>Common:</u> 8.2mi SE of Andalusia<br><u>Drainage:</u> Taylor Mill Creek <u>GPS:</u> 31.244398941, -86.366858575<br><u>Land owner:</u> J.E. Suggs -US, Delmar & Shirley Wiggins -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-8<br><u>Parcel No.:</u> 1; 7.01<br><u>Road Name:</u> J.D. White Rd  | <u>State:</u> Alabama                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
|    |   | US                                    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Crossing Structure:   |   |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td>1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Blocked</td> <td>1</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>High Risk</b></td> <td><b>34</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking                               | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Blocked       | 1  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>High Risk</b> | <b>34</b> |  |  |
| Risk Factor   | Ranking   | Score                                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>US Channel Morph</i>   | DA  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>DS Channel Morph</i>   | E   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Skew Angle</i>  | >30°  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Blocked   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Soil K Factor</i>  | <0.20   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <b>SRI Total</b>  | <b>High Risk</b>  | <b>34</b>                             |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BnB,CdB,CdC,OrC<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.25in       </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                               | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Feature   | Within Range  | Descriptive Field                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| 303(d)  | No  | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Wetland Species   | No  | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Rare and Imperiled  | No  | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Land Use/ Cover   | Yes   | N/A/<br>DEVELOPED OPEN SPACE          |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Candidate Mussels   | No  | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |
| Sturgeon C.H.   | No  | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                  |           |   |  |

Notes: Culvert mostly buried. Ponded farther US.

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## Unnamed tributary

co-0904-r-014

Sedimentation Risk Index  
**34**

Common: 7.9mi SE of Andalusia  
Drainage: Taylor Mill Creek GPS: 31.252739496, -86.366697254  
Land owner: Timmy Kendrick -DS, Warren White -US

County: Covington State: Alabama  
PLSS (T-R-S): 3N-17E-5  
Parcel No.: 11; 15  
Road Name: J.D. White Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | DA                               | 3         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: BnB,CdB,CdC,MBA,OrE,TrB  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Some build up of woody material US. Rip rap in stream channel.

## Unnamed tributary

co-1027-r-007

Sedimentation Risk Index

**34**

Common: 5.5mi NW of Opp  
Drainage: Mulberry Creek GPS: 31.344206188, -86.315045276  
Land owner: Mary Bobo -US, Jack & Mary Odom -DS

County: Covington  
PLSS (T-R-S): 4N-17E-2  
Parcel No.: 1.02; 16  
Road Name: Oscar Pugh Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: CdB,CdC,MBA,OrB,OrC,OrE  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>SESSILE SHRUB, SCRUB (OTHER), EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: 1 culvert draining pond with 1.5ft drop off, 2<sup>nd</sup> culvert for road crossing.

## Unnamed tributary

ok-0526-r-007

Sedimentation Risk Index  
**34**

Common: 2.9mi NE of Blackman  
Drainage: Big Horse Creek GPS: 30.965411, -86.626289  
Land owner: James Hart- US, Lonnie Hughes Jr-DS

County: Okaloosa  
PLSS(T-R-S): 5N-24-03  
Parcel No.: 4, 1.0040  
Road Name: Horsecreek Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>34</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: 35,39,40,52  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                                 |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER                 |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Culvert inlet collecting woody debris.

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## Unnamed tributary

wa-0714-r-009

Sedimentation Risk Index  
**34**

Common: 10.6mi NW of DeFuniak Springs  
Drainage: Big Swamp Creek GPS: 30.858440, -86.196613  
Land owner: Ronald & David Herring

County: Walton  
PLSS(T-R-S): 4N-20-12  
Parcel No.: 1.002  
Road Name: Brown Rd

State: Florida



Crossing Structure: US

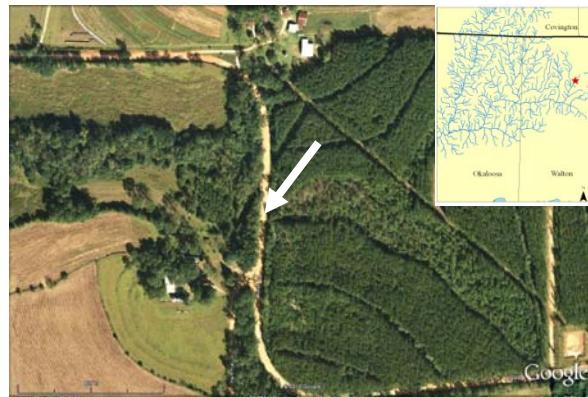


DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>                 | <b>34</b> |

#### Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 13,15,25,26,31  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 3.0in



| Feature            | Within Range | Descriptive Field                                   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX                  |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Directly DS from impounded system of previous crossing.

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# Unnamed tributary

co-0904-r-015

Sedimentation Risk Index  
**36**

Common: 6.1mi SE of Andalusia  
Drainage: Anderson Branch GPS: 31.264062340, -86.394527585  
Land owner: Roy & Debbie -US, James & Mertha Carter -DS

County: Covington State: Alabama  
PLSS (T-R-S): 4N-17E-31/3N-17E-6  
Parcel No.: 8;4  
Road Name: Cotton House Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | >30°                               | 1         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>36</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Culvert, 1          |
| <u>Crossing Materials:</u>         | Metal               |
| <u>Soil Types:</u>                 | CdC,DmB,FoA,FuB,MBA |
| <u>Rt Approach Prism Fill:</u>     | 0.25in              |
| <u>Lt Approach Prism Fill:</u>     | 0.2in               |

| Feature            | Within Range | Descriptive Field    |
|--------------------|--------------|----------------------|
| 303(d)             | No           | N/A                  |
| Wetland Species    | No           | N/A                  |
| Rare and Imperiled | No           | N/A                  |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE, HAY |
| Candidate Mussels  | No           | N/A                  |
| Sturgeon C.H.      | No           | N/A                  |

Notes: Fencing across DS.

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## Unnamed tributary

co-1027-r-005

Sedimentation Risk Index

**36**

Common: 6.0mi NW of Opp  
Drainage: Yellow River GPS: 31.344301959, -86.326408847  
Land owner: Oscar Pugh - DS, Robert & Janell Morgan -US

County: Covington  
PLSS (T-R-S): 4N-17E-2  
Parcel No.: 13; 14  
Road Name: Oscar Pugh Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                            | 5         |
| <i>DS Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Rip Rap                            | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>High Risk</b>                   | <b>36</b> |



| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/ LOW INTENSITY DEVELOPED |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BnB,CdB,CdC,OrB,OrC,OrE  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 1.5in

Notes: Outfall drop

# Indigo Creek

ok-0429-r-002

Sedimentation Risk Index  
**36**

Common: 4.1mi E of Holt  
Drainage: Yellow River      GPS: 30.729581195, -86.677171871  
Land owner: Dorothy Kennedy

County: Okaloosa  
PLSS(T-R-S): 3N-24-30  
Parcel No.: 6  
Road Name: Gilmore Rd



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                 | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>High Risk</b>           | <b>36</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 12,13,23,24,25,34,36,37,43,49  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field          |
|--------------------|--------------|----------------------------|
| 303(d)             | No           | N/A                        |
| Wetland Species    | No           | N/A                        |
| Rare and Imperiled | No           | N/A                        |
| Land Use/ Cover    | Yes          | N/A/<br>FRESHWATER MARSHES |
| Candidate Mussels  | No           | N/A                        |
| Sturgeon C.H.      | No           | N/A                        |

Notes: Turbidity curtain DS and silt fencing in place both US/DS. Failing BMPs.

| Unnamed tributary   | co-0729-r-005   | Sedimentation Risk Index<br><b>38</b>  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|-----|------------------|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 5.2mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.002444, -86.535722<br><u>Land owner:</u> Rayonier Woodlands LLC- US; Unknown-DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-34<br><u>Parcel No.:</u> 7<br><u>Road Name:</u> Walker Rd | <u>State:</u> Alabama  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|    |   |              |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>Crossing Structure: DS</b>   |   | <b>US</b>  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td style="text-align: center;">C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td style="text-align: center;">DA</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td style="text-align: center;">MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td style="text-align: center;">5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td style="text-align: center;">Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td style="text-align: center;">Blocked</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td style="text-align: center;">All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td style="text-align: center;">21-40 y³</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td style="text-align: center;">2.1-4%</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td style="text-align: center;">&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td style="text-align: center;">Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td style="text-align: center;">Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td style="text-align: center;">Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td style="text-align: center;">Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td><b>SRI Total</b></td> <td style="text-align: center;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>38</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><i>Crossing Type and Quantity:</i> Culvert, 1<br/> <i>Crossing Materials:</i> Reinforced Concrete<br/> <i>Soil Types:</i> BgA,FoA,IbA,KaA,MBA,TrD<br/> <i>Rt Approach Prism Fill:</i> 0.1in<br/> <i>Lt Approach Prism Fill:</i> 0.5in</p> | Risk Factor   | Ranking  | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Blocked | 1 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td style="text-align: center;">Yes</td> <td>METALS (MERCURY)</td> </tr> <tr> <td>Wetland Species</td> <td style="text-align: center;">No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td style="text-align: center;">No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td style="text-align: center;">Yes</td> <td>EAST GULF COASTAL PLAIN INTERIOR<br/>UPLAND LONGLEAF PINE WOODLAND-<br/>LOBLOLLY MODIFIER<br/>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td style="text-align: center;">No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td style="text-align: center;">No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS (MERCURY) | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER<br>N/A | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C   | 5  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | DA  | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | 5-30°   | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Blocked   | 1  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³  | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>38</b>  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | Yes   | METALS (MERCURY)   |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER<br>N/A |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A  |       |                         |   |   |                         |    |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: Rt culvert blocked with sediment.

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| Unnamed tributary  | co-0831-r-010   | <i>Sedimentation Risk Index</i><br><b>38</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
|--|---|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 6.3mi SW of Opp<br><u>Drainage:</u> Indian Creek <u>GPS:</u> 31.216278, -86.329078<br><u>Land owner:</u> Clidie Lee Harper LE-DS, Carolyn & Ben Ellis Jr.-US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-22/23<br><u>Parcel No.:</u> 1; 14<br><u>Road Name:</u> Harrell Rd | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
|     |   |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Crossing Structure: US   |   | US  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>21-40 y³</td><td>3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>38</b></td></tr> </tbody> </table> |   | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | E      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |
| Risk Factor  | Ranking   | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>US Channel Morph</i>  | E   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Channel Morph</i>  | E   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Crossing fill condition</i>   | Poor/Bare soil  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Soil K Factor</i>   | <0.20   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>   | Vegetated   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>   | Vegetated   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Outlet Total</i>  | Unimproved Outlet System  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>38</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> PVC<br><u>Soil Types:</u> CdB,CdC,FuB,OrC,OrE<br><u>Rt Approach Prism Fill:</u> 0.75in<br><u>Lt Approach Prism Fill:</u> 0.5in  |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Feature  | Within Range  | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| 303(d)   | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Wetland Species  | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Rare and Imperiled   | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Land Use/ Cover  | Yes   | N/A/<br>DEVELOPED OPEN SPACE  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Candidate Mussels  | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |
| Sturgeon C.H.  | No  | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                                    |   |                  |                    |           |   |

Notes: None

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# Canoe Creek

ok-0429-r-001

Sedimentation Risk Index  
**38**

Common: 7.4mi E of Harold  
Drainage: Yellow River      GPS: 30.672943718, -86.756427066  
Land owner: Richard & Genevieve George-US, John & Vickie Howzie-DS

County: Okaloosa  
PLSS(T-R-S): 2N-25-16  
Parcel No.: 3, 3.1250  
Road Name: Log Lake Rd



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>38</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 3; Bridge, 1  
Crossing Materials: Metal; Wood  
Soil Types: 43,50  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field      |
|--------------------|--------------|------------------------|
| 303(d)             | No           | N/A                    |
| Wetland Species    | No           | N/A                    |
| Rare and Imperiled | No           | N/A                    |
| Land Use/ Cover    | Yes          | N/A/<br>PINE FLATWOODS |
| Candidate Mussels  | No           | N/A                    |
| Sturgeon C.H.      | No           | N/A                    |

Notes: Impoundment causing fish blockage, 3 culverts US 30ft from bridge.

# Little Horse Creek

ok-0526-r-005

Sedimentation Risk Index  
**38**

Common: 3.6mi NE of Blackman  
Drainage: Big Horse Creek      GPS: 30.966150, -86.603157  
Land owner: Charles & Wanda Baston

County: Okaloosa  
PLSS(T-R-S): 5N-24-01  
Parcel No.: 4  
Road Name: Johnson Rd

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | >30°                               | 1         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y <sup>3</sup>               | 3         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>38</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 38,39,40,41,43,52,56  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ IMPROVED PASTURES   |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Wire spanning under bridge, DS.

# Clear Creek

ok-1005-r-002

Sedimentation Risk Index  
**38**

Common: 7.2mi NE of Crestview  
Drainage: Poverty Creek      GPS: 30.812152272, -86.463812135  
Land owner: Clear Creek Investments-US, Thomas & Shirley Akers-DS

County: Okaloosa  
PLSS(T-R-S): 4N-22-29  
Parcel No.: 1.1370/1.0900  
Road Name: Clear Creek Dam Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Other                            | 0         |
| <i>Upstream Lt Outlet</i>           | Other                            | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>38</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 20,24,25,50  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--------------------|
| 303(d)             | No           | N/A                |
| Wetland Species    | No           | N/A                |
| Rare and Imperiled | No           | N/A                |
| Land Use/ Cover    | Yes          | N/A/<br>RESERVOIRS |
| Candidate Mussels  | No           | N/A                |
| Sturgeon C.H.      | No           | N/A                |

Notes: DS drop off. Water control structure.

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| Unnamed tributary   | wa-0714-r-007   | Sedimentation Risk Index<br><b>38</b>               |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
|---|---|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|---|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 10.3mi NW of DeFuniak Springs<br><u>Drainage:</u> Big Swamp Creek <u>GPS:</u> 30.855673, -86.191371<br><u>Land owner:</u> J.B. & Betty Coon-DS, Unknown US   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-20-12<br><u>Parcel No.:</u> 5.001<br><u>Road Name:</u> Bryan Rd | <u>State:</u> Florida                               |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US                        |   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>38</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 22,25,60<br/> <u>Rt Approach Prism Fill:</u> 2.0in<br/> <u>Lt Approach Prism Fill:</u> 3.0in</p> | Risk Factor   | Ranking   | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> | <br>Google | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PARCELS WITH NO VALUES/ FALLOW CROP LAND</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER | Land Use/ Cover | Yes | PARCELS WITH NO VALUES/ FALLOW CROP LAND | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | E   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | >40 y³  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>38</b>   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | Yes   | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | PARCELS WITH NO VALUES/ FALLOW CROP LAND            |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |     |   |                 |     |  |                   |    |     |               |    |     |

Notes: Impounded system directly DS at next crossing.

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## Unnamed tributary

wa-0722-r-008

Sedimentation Risk Index  
**38**

Common: 5.3mi N of DeFuniak Springs  
Drainage: Gum Creek GPS: 30.795394, -86.138400  
Land owner: Russell Ray- US, Dennis Ray-DS

County: Walton State: Florida  
PLSS (T-R-S): 4N-19-34-20000  
Parcel No.: 1.10; 9  
Road Name: Piney Grove Church Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>38</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 10,11,13,22,23,35,39  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                      |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                    |
| Wetland Species    | No           | N/A                                    |
| Rare and Imperiled | No           | N/A                                    |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>HYDRIC PINE FLATWOODS |
| Candidate Mussels  | No           | N/A                                    |
| Sturgeon C.H.      | No           | N/A                                    |

Notes: None

| Unnamed tributary   |   | wa-0723-r-002  | Sedimentation Risk Index<br><b>38</b> |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
|---|---|--|---------------------------------------|-------------|--------------|-------------------|--------|-------------------------|-----|-----------------|----|-------------------------|--------------------|----|-----|---------------------------|---------------|--|-------------------|----------------------------|-----|---------------|----|--------------------------------|----------------|---|--|-------------------------------|---------------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|-----|---|--|----------------------|-----------|---|--|---------------------------|-----------|---|--|---------------------------|-----------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|-----------|---|--|----------------------------|-----------|---|--|---------------------|--------------------------|---|--|----------------------|----------------------------|---|--|------------------|--------------------|-----------|--|
| <u>Common:</u> 7.6mi SE of Florala  | <u>County:</u> Walton                   | <u>State:</u> Florida  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <u>Drainage:</u> Caney Creek  | <u>GPS:</u> 30.940363380, -86.226391177 | <u>PLSS (T-R-S):</u> 5N-20-10-30000  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <u>Land owner:</u> Elizabeth Bopp-US, Orabelle Goodwin-DS   | <u>Parcel No.:</u> 7; 8                 | <u>Road Name:</u> Adams Rd   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
|    |   |    |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Crossing Structure: DS  |   | DS   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>C</td><td>5</td><td></td></tr> <tr> <td><i>DS Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td><td></td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td><td></td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td><td></td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td></td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&gt;40 y³</td><td>1</td><td></td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td><td></td></tr> <tr> <td><i>Soil K Factor</i></td><td>0.21-0.40</td><td>3</td><td></td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr> <td><i>Outlet Total</i></td><td>Unimproved Outlet System</td><td>1</td><td></td></tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td><td></td></tr> <tr> <td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>38</b></td><td></td></tr> </tbody> </table> |   |  |                                       | Risk Factor | Ranking      | Score             |        | <i>US Channel Morph</i> | C   | 5               |    | <i>DS Channel Morph</i> | E                  | 5  |     | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3  |                   | <i>Upstream Skew Angle</i> | <5° | 5             |    | <i>Crossing fill condition</i> | Poor/Bare soil | 1 |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 |  | <i>Approach Slope Mean</i> | <2% | 5 |  | <i>Soil K Factor</i> | 0.21-0.40 | 3 |  | <i>Upstream Rt Outlet</i> | Bare soil | 0 |  | <i>Upstream Lt Outlet</i> | Bare soil | 0 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  | <i>Downstream Rt Outlet</i> | Bare soil | 0 |  | <i>Downstream Lt Outlet</i> | Bare soil | 0 |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <i>Outlet Total</i> | Unimproved Outlet System | 1 |  | <i>Ditches Total</i> | Unimproved Drainage System | 1 |  | <b>SRI Total</b> | <b>Medium Risk</b> | <b>38</b> |  |
| Risk Factor   | Ranking                                 | Score  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>US Channel Morph</i>   | C                                       | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>DS Channel Morph</i>   | E                                       | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                           | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Skew Angle</i>  | <5°                                     | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil                          | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                           | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Road Approach Material</i>   | All Sand/Clay                           | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³                                  | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Approach Slope Mean</i>  | <2%                                     | 5  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Soil K Factor</i>  | 0.21-0.40                               | 3  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Rt Outlet</i>   | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Lt Outlet</i>   | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Rt Outlet</i>   | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Lt Outlet</i>   | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                               | 0  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Outlet Total</i>   | Unimproved Outlet System                | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Ditches Total</i>  | Unimproved Drainage System              | 1  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>                      | <b>38</b>  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Culvert, 4</p> <p><u>Crossing Materials:</u> Metal</p> <p><u>Soil Types:</u> 6,15,59,60</p> <p><u>Rt Approach Prism Fill:</u> 0.5in</p> <p><u>Lt Approach Prism Fill:</u> 1.0in</p>   |   | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>AGRICULTURAL/<br/>MIXED SCRUB-SHRUB WETLAND</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |                                       | Feature     | Within Range | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | No | N/A                     | Rare and Imperiled | No | N/A | Land Use/ Cover           | Yes           | AGRICULTURAL/<br>MIXED SCRUB-SHRUB WETLAND | Candidate Mussels | No                         | N/A | Sturgeon C.H. | No | N/A                            |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Feature   | Within Range                            | Descriptive Field  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| 303(d)  | No                                      | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Wetland Species   | No                                      | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Rare and Imperiled  | No                                      | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Land Use/ Cover   | Yes                                     | AGRICULTURAL/<br>MIXED SCRUB-SHRUB WETLAND   |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Candidate Mussels   | No                                      | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |
| Sturgeon C.H.   | No                                      | N/A  |                                       |             |              |                   |        |                         |     |                 |    |                         |                    |    |     |                           |               |  |                   |                            |     |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |           |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                          |   |  |                      |                            |   |  |                  |                    |           |  |

Notes: None

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## Unnamed tributary

cf-1103-r-008

Sedimentation Risk Index  
**40**

Common: 1.0mi NE of Danleys Crossroads  
Drainage: Yellow River      GPS: 31.42209700,-86.182725070  
Land owner: G.A. Lindsey

County: Coffee  
PLSS (T-R-S): 5N-19-07  
Parcel No.: 1  
Road Name: CR 374

State: Alabama



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Culvert,2  
Crossing Materials: Metal  
Soil Types: 7,8,21,22  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 0.15in

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: Garbage DS; culverts coming from 2 different angles US.

| Unnamed tributary   | co-0731-r-001  | Sedimentation Risk Index<br><b>40</b>   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
|---|--|---|-------|-------------------------|----|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|--|---------|--------------|-------------------|---------------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|---|--------------------------|----|-----|----------------------|----|-----|--|
| <u>Common:</u> 4mi NW of Laurel Hill<br><u>Drainage:</u> Larkin Creek <u>GPS:</u> 31.015056, -86.495487<br><u>Land owner:</u> Rayonier Forest Resources LP-US, Unknown -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-16E-30<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Booth Rd | <u>State:</u> Alabama   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
|    |                                | <b>US</b>   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Crossing Structure:</b>  |                               |   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
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| Risk Factor   | Ranking  | Score   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>US Channel Morph</i>   | DA   | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>DS Channel Morph</i>   | DA   | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Approach Slope Mean</i>  | <2%  | 5   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Soil K Factor</i>  | <0.20  | 5   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| Feature   | Within Range   | Descriptive Field   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>303(d)</b>   | No   | N/A   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Wetland Species</b>  | No   | N/A   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Rare and Imperiled</b>   | No   | N/A   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Land Use/ Cover</b>  | Yes  | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>OFFSITE HARDWOOD MODIFIER |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Candidate Mussels</b>  | No   | N/A   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Sturgeon C.H.</b>  | No   | N/A   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoC,CdC,MBA,OrE,TrB,TrD<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.25in       </p>   |  |   |       |                         |    |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |  |         |              |                   |               |    |     |                        |    |     |                           |    |     |                        |     |   |                          |    |     |                      |    |     |  |

Notes: None

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| Unnamed tributary  | co-0831-r-008  | <i>Sedimentation Risk Index</i><br><b>40</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|--|--|--|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 6.8mi SW of Opp<br><u>Drainage:</u> Indian Creek<br><u>Land owner:</u> C&G LLC  | <u>GPS:</u> 31.205856, -86.328747  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-22/23<br><u>Parcel No.:</u> 11<br><u>Road Name:</u> Harrell Rd |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |    |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   | US   |  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>DA</td><td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Channel Morph</i></td><td>B</td><td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td><td>HIGH</td><td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td style="text-align: right;">1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td style="text-align: right;">3</td> </tr> <tr> <td><i>Road Approach Material</i></td><td>All Aggregate</td><td style="text-align: right;">5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td style="text-align: right;">5</td> </tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score        | <i>US Channel Morph</i> | DA     | 3  | <i>DS Channel Morph</i> | B               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | 5-30°           | 3   | <i>Crossing fill condition</i>  | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |  |
| Risk Factor  | Ranking  | Score  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | DA   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | B  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | HIGH   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Aggregate  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert,1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoC,CdB,CdC,FoA,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.25in   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>EAST GULF COASTAL PLAIN INTERIOR<br/>UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Feature  | Within Range   | Descriptive Field  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| 303(d)   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Wetland Species  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Rare and Imperiled   | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Land Use/ Cover  | Yes  | EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Candidate Mussels  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Sturgeon C.H.  | No   | N/A  |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: Aggregate in stream bed.

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| Unnamed tributary   | co-0904-r-010   | <i>Sedimentation Risk Index</i><br><b>40</b>                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|--------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|------------------------|----|-----|---------------------------|----|-----|------------------------|-----|--|--------------------------|----|-----|----------------------|----|-----|
| <u>Common:</u> 8.7mi SE of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.223892778, -86.380534944<br><u>Land owner:</u> Rayonier Woodlands LLC  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-18<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Lost Forty Rd | <u>State:</u> Alabama  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <br>Crossing Structure: US   | <br>DS                              |  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
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| Risk Factor   | Ranking   | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>US Channel Morph</i>   | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>DS Channel Morph</i>   | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Outlet Total</i>   | Unimproved Outlet System  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| Feature   | Within Range  | Descriptive Field  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| 303(d)  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>Wetland Species</b>  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>Rare and Imperiled</b>   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>Land Use/ Cover</b>  | Yes   | EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-LOBLOLLY MODIFIER |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>Candidate Mussels</b>  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |
| <b>Sturgeon C.H.</b>  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                        |    |     |                           |    |     |                        |     |  |                          |    |     |                      |    |     |

Notes: Note sediment load in DS picture

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| Unnamed tributary   | co-0904-r-012   | <i>Sedimentation Risk Index</i><br><b>40</b>   |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|---|---|--|---------|--------------|-------------------------|---------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 7.5mi SE of Andalusia<br><u>Drainage:</u> Taylor Mill Creek <u>GPS:</u> 31.249888783, -86.375431073<br><u>Land owner:</u> Rayonier Woodlands LLC -US, J.D. Casady Heris -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-5<br><u>Parcel No.:</u> 10; 9<br><u>Road Name:</u> Otis Maugan Rd | <u>State:</u> Alabama  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|    |   |    |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>Crossing Structure:</b>  |   | US   |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>40</b></td></tr> </tbody> </table> |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | WETLAND | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5  | <i>Crossing fill condition</i> | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor   | Ranking   | Score  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | WETLAND   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | C   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | >4%   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>40</b>  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BnB,CdB,CdC,MBA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.1in   |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>No</td><td>N/A</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d)  | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| 303(d)  | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Wetland Species   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled  | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |         |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |

Notes: None

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# Mulberry Creek

co-1027-r-006

Sedimentation Risk Index  
**40**

Common: 5.6mi NW of Opp  
Drainage: Poley Creek GPS: 31.344171926, -86.317617422  
Land owner: Larry Jones -US, David Tohmpson -DS

County: Covington  
PLSS (T-R-S): 4N-17E-2  
Parcel No.: 13.01; 13.02  
Road Name: Oscar Pugh Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |



| Additional Site Features           |                         |  |
|------------------------------------|-------------------------|--|
| <u>Crossing Type and Quantity:</u> | Bridge, 1               |  |
| <u>Crossing Materials:</u>         | Wood                    |  |
| <u>Soil Types:</u>                 | CdB,CdC,MBA,OrB,OrC,OrE |  |
| <u>Rt Approach Prism Fill:</u>     | 1.5in                   |  |
| <u>Lt Approach Prism Fill:</u>     | 0.75in                  |  |

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Fencing across US

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# Unnamed tributary

co-1027-r-008

Sedimentation Risk Index  
**40**

Common: 5.9mi NW of Opp  
Drainage: Poley Creek      GPS: 31.356190939, -86.305929163  
Land owner: Billy & Mary Ashberry

County: Covington  
PLSS (T-R-S): 5N-17E-36  
Parcel No.: 5  
Road Name: Gardeners Chapel Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                            | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Rip Rap                            | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                            | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>40</b> |



| Additional Site Features           |                             |
|------------------------------------|-----------------------------|
| <u>Crossing Type and Quantity:</u> | Bridge, 1                   |
| <u>Crossing Materials:</u>         | Wood                        |
| <u>Soil Types:</u>                 | EsC,MbA,OrB,OrC,OrE,RdB,TrD |
| <u>Rt Approach Prism Fill:</u>     | 0.25in                      |
| <u>Lt Approach Prism Fill:</u>     | 0.5in                       |

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: Large, new rip rap placed in ditches.

| Unnamed tributary   | ok-0429-r-003  | Sedimentation Risk Index<br><b>40</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 4.2mi W of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.745881514, -86.637365798<br><u>Land owner:</u> Tim & Nelda Flemming   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-24-22<br><u>Parcel No.:</u> 3<br><u>Road Name:</u> Al Gillman Rd   | <u>State:</u> Florida  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|    |    | US   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: US  |  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
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| Risk Factor   | Ranking  | Score  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | B  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | B  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Blocked  | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>40</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Reinforced Concrete<br><u>Soil Types:</u> 4,6,12,13,27,34,36,43,49,50,51,52<br><u>Rt Approach Prism Fill:</u> 0.2in<br><u>Lt Approach Prism Fill:</u> 0.25in  | <b>Feature</b><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b> | <b>Within Range</b><br>Yes<br>No<br>Yes<br>Yes<br>Yes<br>No<br>No<br><b>Descriptive Field</b><br>COLIFORMS, TURBIDITY, MERCURY<br>N/A<br>ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER<br>AGRICULTURAL/WETLAND FORESTED MIX<br>N/A<br>N/A |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: Railroad crossing approx 100ft US.

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| Unnamed tributary  | ok-0429-r-004  | Sedimentation Risk Index<br><b>40</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
|--|--|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|-----|-------------------------------|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.4mi W of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.744474768, -86.6389025726<br><u>Land owner:</u> Fred Young   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-24-22<br><u>Parcel No.:</u> 4.2<br><u>Road Name:</u> Al Gillman Rd | <u>State:</u> Florida  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <br>Crossing Structure: US  | <br>DS                             |  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
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| Risk Factor  | Ranking  | Score  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | C  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | C  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | >30°   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | <2%  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Unimproved Outlet System   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| 303(d)   | Yes  | COLIFORMS, TURBIDITY, MERCURY  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled   | Yes  | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes  | VACANT RESIDENTIAL/WETLAND FORESTED MIX  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
| Notes: None  |  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
|  |  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
|  |  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |
|  |  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |     |               |    |     |

## Unnamed tributary

ok-0429-r-007

Sedimentation Risk Index  
**40**

Common: 4.5mi W of Crestview  
Drainage: Yellow River GPS: 30.738421812, -86.643402911  
Land owner: Phillips Family LTD

County: Okaloosa  
PLSS(T-R-S): 3N-24-21  
Parcel No.: 2.30040  
Road Name: Al Gillman Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 4,6,12,13,27,34,36,43,49,50,51,52  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.5in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | Yes          | COLIFORMS, TURBIDITY, MERCURY  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | Yes          | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/WETLAND FORESTED MIX  |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Private impounded system US. Ladder leading DS.

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# Moores Mill Creek

ok-0526-r-002

Sedimentation Risk Index  
**40**

Common: 6.1mi NW of Laurel Hill  
Drainage: Yellow River  
Land owner: J.D. Hughes Jr.

GPS: 30.989228, -86.559067

County: Okaloosa  
PLSS(T-R-S): 6N-23-29  
Parcel No.: 5  
Road Name: Moores Mill Creek Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Synthetic                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 13,16,23,24,43,45,46,49,51,55  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | Yes          | COLIFORMS, TURBIDITY, MERCURY   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | BLUENOSE SHINER, ALABAMA SHAD, ALLIGATOR GAR, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL / WETLAND FORESTED MIX   |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Rt approach paved until last 40yards.

| Big Horse Creek   |                                  | ok-0526-r-006   | Sedimentation Risk Index<br><b>40</b>  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
|---|----------------------------------|---|--|-------------|--------------|-------------------|--------|-------------------------|-----|-----------------|-----|-----------------------------------|--------------------|-----|-----------------------------------|---------------------------|---------------|--|-------------------|----------------------------|------|---------------|----|--------------------------------|----------------|---|--|-------------------------------|---------------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|-----|---|--|----------------------|-------|---|--|---------------------------|-----------|---|--|---------------------------|-----------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|-----------|---|--|----------------------------|-----------|---|--|---------------------|----------------------------------|---|--|----------------------|----------------------------|---|--|------------------|--------------------|-----------|--|
| <u>Common:</u> 3mi NE of Blackman   | <u>Drainage:</u> Yellow River    | <u>GPS:</u> 30.961968, -86.610516   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-24-02<br><u>Parcel No.:</u> 7<br><u>Road Name:</u> Horsecreek Rd |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <u>Land owner:</u> Blackwater River State Forest  |                                  |   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
|    |                                  |   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Crossing Structure: DS  |                                  | US  |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>DA</td><td>3</td><td></td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td><td></td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td><td></td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td><td></td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td><td></td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td></td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td></td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td><td></td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><b>Outlet Total</b></td><td>Partially Improved Outlet System</td><td>3</td><td></td></tr> <tr><td><b>Ditches Total</b></td><td>Unimproved Drainage System</td><td>1</td><td></td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>40</b></td><td></td></tr> </tbody> </table>  |                                  |   |  | Risk Factor | Ranking      | Score             |        | <i>US Channel Morph</i> | DA  | 3               |     | <i>DS Channel Morph</i>           | C                  | 5   |                                   | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3  |                   | <i>Upstream Skew Angle</i> | >30° | 1             |    | <i>Crossing fill condition</i> | Poor/Bare soil | 1 |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  | <i>Approach Slope Mean</i> | <2% | 5 |  | <i>Soil K Factor</i> | <0.20 | 5 |  | <i>Upstream Rt Outlet</i> | Vegetated | 1 |  | <i>Upstream Lt Outlet</i> | Bare soil | 0 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Bare soil | 0 |  | <i>Downstream Rt Outlet</i> | Vegetated | 1 |  | <i>Downstream Lt Outlet</i> | Bare soil | 0 |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <b>Outlet Total</b> | Partially Improved Outlet System | 3 |  | <b>Ditches Total</b> | Unimproved Drainage System | 1 |  | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> |  |
| Risk Factor   | Ranking                          | Score   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>US Channel Morph</i>   | DA                               | 3   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>DS Channel Morph</i>   | C                                | 5   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                    | 3   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Skew Angle</i>  | >30°                             | 1   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Crossing fill condition</i>  | Poor/Bare soil                   | 1   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                    | 5   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Road Approach Material</i>   | All Sand/Clay                    | 3   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                           | 5   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Approach Slope Mean</i>  | <2%                              | 5   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Soil K Factor</i>  | <0.20                            | 5   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Rt Outlet</i>   | Vegetated                        | 1   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Lt Outlet</i>   | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Rt Outlet</i>   | Vegetated                        | 1   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Lt Outlet</i>   | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                        | 0   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>Outlet Total</b>   | Partially Improved Outlet System | 3   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>Ditches Total</b>  | Unimproved Drainage System       | 1   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>               | <b>40</b>   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Wood<br><u>Soil Types:</u> 12,13,16,20,23,39,43,50,52<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 1.0in   |                                  | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>BLACKTIP SHINER, IRONCOLOR SHINER</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> |  | Feature     | Within Range | Descriptive Field | 303(d) | No                      | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | Land Use/ Cover           | Yes           | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX | Candidate Mussels | No                         | N/A  | Sturgeon C.H. | No | N/A                            |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Feature   | Within Range                     | Descriptive Field   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| 303(d)  | No                               | N/A   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Wetland Species   | Yes                              | 1-3 FOCAL SPECIES IN UPLAND AREAS   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Rare and Imperiled  | Yes                              | BLACKTIP SHINER, IRONCOLOR SHINER   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Land Use/ Cover   | Yes                              | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX  |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Candidate Mussels   | No                               | N/A   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |
| Sturgeon C.H.   | No                               | N/A   |  |             |              |                   |        |                         |     |                 |     |                                   |                    |     |                                   |                           |               |  |                   |                            |      |               |    |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |     |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                            |   |  |                  |                    |           |  |

Notes: None

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| Unnamed tributary  | ok-0526-r-011  | <i>Sedimentation Risk Index</i><br><b>40</b>     |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
|--|--|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|-----|-----------------------------------|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 1.8mi NE of Blackman<br><u>Drainage:</u> Big Horse Creek <u>GPS:</u> 30.927286, -86.606262<br><u>Land owner:</u> Blackwater River State Forest  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-24-14/13<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Peacock Rd | <u>State:</u> Florida                            |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>DS                           |  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>NATURAL</td> <td>5</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>21-40 y³</td> <td>3</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Unimproved Outlet System</td> <td>1</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>40</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> 24,36,39,43,46,47,49,51<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>40</b> | <br>DS | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>Yes</td> <td>BLACKTIP SHINER, IRONCOLOR SHINER</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PUBLIC/SEMI-PUBLIC/<br/>HARDWOOD CONIFEROUS-MIXED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | Land Use/ Cover | Yes | PUBLIC/SEMI-PUBLIC/<br>HARDWOOD CONIFEROUS-MIXED | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking  | Score  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | E  | 5  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | E  | 5  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | NATURAL  | 5  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³   | 3  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20  | 5  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Unimproved Outlet System   | 1  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>40</b>  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Feature  | Within Range   | Descriptive Field                                |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| 303(d)   | No   | N/A  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Wetland Species  | No   | N/A  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled   | Yes  | BLACKTIP SHINER, IRONCOLOR SHINER                |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes  | PUBLIC/SEMI-PUBLIC/<br>HARDWOOD CONIFEROUS-MIXED |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels  | No   | N/A  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.  | No   | N/A  |       |                         |   |   |                         |   |   |                           |         |   |                            |       |   |                                |                |   |                               |               |   |                               |               |   |                                     |          |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |    |     |                    |     |                                   |                 |     |  |                   |    |     |               |    |     |

Notes: None

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# Burnt Grocery Creek

sr-0401-r-001

Sedimentation Risk Index  
**40**

Common: 2.4mi SE of Harold  
Drainage: Yellow River  
Land owner: The Nature Conservancy

GPS: 30.635267, -86.849675

County: Santa Rosa  
PLSS(T-R-S): 2N-26-33  
Parcel No.: 1  
Road Name: Bobcat Trail

State: Florida



Crossing Structure: US



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                           | 1         |
| <i>DS Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Bank Alteration</i>           | HIGH                             | 1         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <b>Outlet Total</b>                 | Partially Improved Outlet System | 3         |
| <b>Ditches Total</b>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1; Reservoir Drain, 1  
Crossing Materials: Metal; Reinforced Concrete  
Soil Types: 22,34,40  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.40in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                                |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>MDC - LOW DENSITY, FIXED SINGLE<br>FAMILY UNITS |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Drainage undersized to accommodate storm events. DS inundated.

# Big Swamp Creek

wa-0714-r-002

Sedimentation Risk Index  
**40**

Common: 6.6mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.802508, -86.226481  
Land owner: Mary Frymire & Joe Johnson

County: Walton  
PLSS(T-R-S): 4N-20-34  
Parcel No.: 5  
Road Name: Raley Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                     | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: 4,15,31,32,48  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER |
| Land Use/ Cover    | Yes          | N/A/ STREAMS AND WATERWAYS                         |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

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## Unnamed tributary

wa-0714-r-006

Sedimentation Risk Index  
**40**

Common: 10.4mi NW of DeFuniak Springs  
Drainage: Big Swamp Creek GPS: 30.853328, -86.197277  
Land owner: John & Annie Coon-US, Pauline Price-DS

County: Walton  
PLSS(T-R-S): 4N-20-12  
Parcel No.: 5; 4  
Road Name: Price Rd

State: Florida



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

#### Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 15,25,26,60  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX                 |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: DS drop off creating partial fish passage barrier.

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# Big Swamp Creek

wa-0714-r-010

Sedimentation Risk Index  
**40**

Common: 10.7mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.860540, -86.202056  
Land owner: Ronald & Dorothy Herring-US, David & Misty Herring-DS

County: Walton  
PLSS(T-R-S): 4N-20-12  
Parcel No.: 3.0; 3.002  
Road Name: Brown Rd

State: Florida



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 15, 22, 25, 26, 31, 32, 42, 60  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 3.5in



| Feature            | Within Range | Descriptive Field                                   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPED DARTER |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ WETLAND FORESTED MIX        |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Road under construction at time of survey. Some erosion control attempts.

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# Bee Branch

wa-0722-r-003

Sedimentation Risk Index  
**40**

Common: 8.4mi NE of Mossy Head  
Drainage: Big Swamp Creek GPS: 30.842528, -86.235539  
Land owner: Andrews Investments LLC 50%, Charles Jones 50%

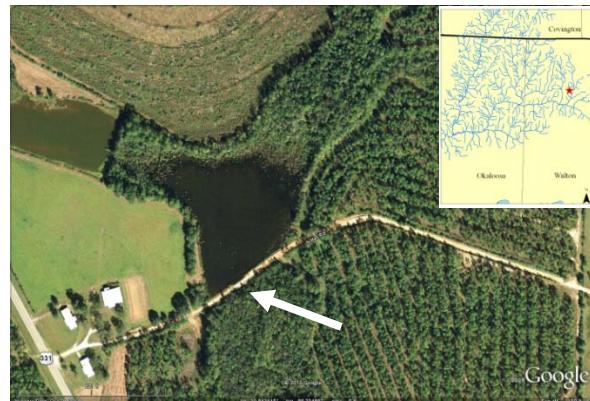
County: Walton  
PLSS(T-R-S): 4N-20-15-29000  
Parcel No.: 6  
Road Name: Elmer Jones Rd



Crossing Structure: Lt Approach



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>40</b> |

## Additional Site Features

Crossing Type and Quantity: Ford, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 6,15,25,26,35,60,  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | AGRICULTURAL/WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Fencing across DS

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| Unnamed tributary   | co-0729-r-004   | Sedimentation Risk Index<br><b>42</b> |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
|---|---|---------------------------------------|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|-----|------------------|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 5.2mi NW of Laurel Hill<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.005470, -86.534821<br><u>Land owner:</u> Rayonier Woodlands LLC  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 1N-15E-34<br><u>Parcel No.:</u> 7<br><u>Road Name:</u> Walker Rd | <u>State:</u> Alabama                 |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US                          |                                       |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare soil</td> <td>1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>42</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BgA,FoA,IbA,KaA,MBA,TrD<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor   | Ranking                               | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare soil | 1 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>US | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>Yes</td> <td>METALS (MERCURY)</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>DEVELOPED OPEN SPACE</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | METALS (MERCURY) | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score                                 |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring  | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1                                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>42</b>                             |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                     |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| 303(d)  | Yes   | METALS (MERCURY)                      |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | N/A/<br>DEVELOPED OPEN SPACE          |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A                                   |       |                         |   |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |     |                  |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |

Notes: Close proximity to YR main stem. Rip rap in stream bed.

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## Unnamed tributary

co-0729-r-006

Sedimentation Risk Index  
**42**

Common: 3.2mi NW of Laurel Hill  
Drainage: Big Creek  
Land owner: Dwight Steele

GPS: 30.997012, -86.499121

County: Covington  
PLSS (T-R-S): 6N-23W-24  
Parcel No.: 2  
Road Name: Steele Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

#### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: CdC,DmB,MBA,OrB,OrC,TrB,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                                |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB,<br>SCRUB (CLEAR CUT) |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Outlet sediment loading severe US.

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| Unnamed tributary  | co-0729-r-007                      | <i>Sedimentation Risk Index</i><br><b>42</b>  |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|--|------------------------------------|---|-------------|---------|-------|-------------------------|------------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 2.4mi NW of Laurel Hill<br><u>Drainage:</u> Big Creek<br><u>Land owner:</u> Andy Campbell   | <u>GPS:</u> 30.993519, -86.484894  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 6N-22W-30<br><u>Parcel No.:</u> 2<br><u>Road Name:</u> Steele Rd |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|  |                                    |   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
|   |                                    |                                 |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| Crossing Structure: US   |                                    | US  |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>BEAVER DAM</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>HIGH</td> <td>1</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>42</b></td> </tr> </tbody> </table> |                                    |   | Risk Factor | Ranking | Score | <i>US Channel Morph</i> | BEAVER DAM | 3 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |
| Risk Factor  | Ranking                            | Score   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>US Channel Morph</i>  | BEAVER DAM                         | 3   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Channel Morph</i>  | E                                  | 5   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | HIGH                               | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | <5°                                | 5   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Good/Vegetated                     | 5   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | No Impairment                      | 5   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Sand/Clay                      | 3   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | >40 y³                             | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | 2.1-4%                             | 3   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20                              | 5   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Bare soil                          | 0   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Bare soil                          | 0   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Vegetated                          | 1   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <i>Ditches Total</i>   | Partially Improved Drainage System | 3   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>                 | <b>42</b>   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge,1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> CdC,DmB,MBA,OrB,OrC,TrB,TrD<br/> <u>Rt Approach Prism Fill:</u> 1.00in<br/> <u>Lt Approach Prism Fill:</u> 0.75in     </p>  |                                    |   |             |         |       |                         |            |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |

Notes: Very little water flowing under bridge.

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| Unnamed tributary   | co-0831-r-007  | <i>Sedimentation Risk Index</i><br><b>42</b>   |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
|---|--|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|---------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 6.1mi SW of Opp<br><u>Drainage:</u> Mulberry Creek<br><u>Land owner:</u> Elma Sasser LE  | <u>GPS:</u> 31.208589, -86.311083  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-24<br><u>Parcel No.:</u> 15<br><u>Road Name:</u> Tweedle Bell Rd |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>US |  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Rip Rap</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> CdC,DmB,FoA,FuB,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.1in</p> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Rip Rap | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> | <br>Google | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | PONDED   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | >30°   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Rip Rap  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| 303(d)  | No   | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Wetland Species   | No   | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Rare and Imperiled  | No   | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | N/A/<br>DEVELOPED OPEN SPACE   |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |         |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                              |                   |    |     |               |    |     |

Notes: None

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| Unnamed tributary  | co-0831-r-011  | <i>Sedimentation Risk Index</i><br><b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|--|--|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 6.6mi SW of Opp<br><u>Drainage:</u> Indian Creek <u>GPS:</u> 31.212997, -86.333344<br><u>Land owner:</u> Clidie Lee Harper LE -US, Troy Riley Creane & Brett Riley -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-22<br><u>Parcel No.:</u> 1; 9<br><u>Road Name:</u> Henderson Bridge Rd | <u>State:</u> Alabama   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
|   |  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: US   |  | US  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>21-40 y³</td><td>3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>   | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |
| Risk Factor  | Ranking  | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>  | C  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>  | E  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>   | >4%  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>   | <0.20  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Reinforced Concrete<br><u>Soil Types:</u> BoC,CdB,CdC,FuB,MBA,OrE<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.1in   |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Feature  | Within Range   | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| 303(d)   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Wetland Species  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover  | Yes  | N/A/<br>DEVELOPED OPEN SPACE, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |

Notes: Lots of clay loading.

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## Unnamed tributary

co-0831-r-015

Sedimentation Risk Index  
**42**

Common: 6.8mi SW of Opp  
Drainage: Mulberry Creek GPS: 31.198640, -86.315943  
Land owner: Chester & Connie Harper-DS, Navajo Bawkum –US  
West, Mary Nawlin –US East

County: Covington  
PLSS (T-R-S): 3N-17E-26  
Parcel No.: 6; 1; 7.01  
Road Name: Crosby Clark Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | BEAVER DAM                 | 3         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap               | 3         |
| <i>Inlet/Outlet Condition</i>       | Blocked                    | 1         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>42</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: CdB,CdC,DmB,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field                                |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB,<br>SCRUB (CLEAR CUT) |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: 1 culvert blocked

| Unnamed tributary  | co-0904-r-007  | <i>Sedimentation Risk Index</i><br><b>42</b>  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|--|--|---|-------|-------------------------|----|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|----------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 7.2mi SE of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.238567047, -86.394405708<br><u>Land owner:</u> Dixon Family LP -US, Shirley & William Colvin -DS  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-7<br><u>Parcel No.:</u> 7.01; 11<br><u>Road Name:</u> Willy Moore Rd | <u>State:</u> Alabama   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|   |    | <b>US</b>   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: DS   |  |   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor  | Ranking  | Score   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | DA   | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | E  | 5   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System   | 1   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> CdB,CdC,DmB<br/> <u>Rt Approach Prism Fill:</u> 0.2in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>   | <b>Feature</b>   | <b>Within Range</b>   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | 303(d)   | No  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | Wetland Species  | No  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | Rare and Imperiled   | No  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | Land Use/ Cover  | Yes   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | Candidate Mussels  | No  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  | Sturgeon C.H.  | No  |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  |  | N/A   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  |  | EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  |  | N/A   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|  |  | N/A   |       |                         |    |   |                         |   |   |                           |               |   |                            |       |   |                                |                |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: None

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| Unnamed tributary   | co-0904-r-008  | Sedimentation Risk Index<br><b>42</b>                    |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|---|-------------------------|--------|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 8.8mi SE of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.224030612, -86.370864491<br><u>Land owner:</u> George Jr & Madge Powell-US, Jodie & Irene Wiggins-DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-17<br><u>Parcel No.:</u> 4; 7<br><u>Road Name:</u> Lost Forty Rd   | <u>State:</u> Alabama                                    |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|    |    | US   |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Crossing Structure: US  |  |  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>PONDED</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>NATURAL</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td><b>SRI Total</b></td> <td style="text-align: right;"><b>Medium Risk</b></td> <td style="text-align: right;"><b>42</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | PONDED   | 1  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | E  | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | NATURAL  | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | >30°   | 1  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>  |   |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BnB,BnC,CdB,CdC<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.1in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>PASTURE, HAY<br>N/A<br>N/A |                         |        |   |                         |   |   |                           |         |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: Farm land US- pond seriously nutrient loaded.

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## Unnamed tributary

co-0904-r-018

Sedimentation Risk Index  
**42**

Common: 3.4mi SW of Opp  
Drainage: Indian Creek GPS: 31.239793676, -86.287003582  
Land owner: Linnie Sharpe -DS, Jimmy & Rebecca Foster -US

County: Covington  
PLSS (T-R-S): 3N-18E-7  
Parcel No.: 5; 7.03  
Road Name: Substation Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                  | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>42</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BnC,CdB,CdC,DmB,FuB,OrE  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.15in



| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Strong manure odor.

# Good Springs Creek

co-1102-r-006

Sedimentation Risk Index

**42**

Common: 2.2mi SE of Five Points  
Drainage: Poley Creek      GPS: 31.410767288,-86.290725527  
Land owner: J&R Langford North, Troy & Kyle Creane South

County: Covington      State: Alabama  
PLSS (T-R-S): 5N-18E-7  
Parcel No.: 8,2  
Road Name: Chalker Rd



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                            | 5         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: LuB,MBA,OrB,OrC,OrE,TrB,TrD  
Rt Approach Prism Fill: 0.50in  
Lt Approach Prism Fill: 0.10in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

# Honey Creek

ok-0409-r-001

Sedimentation Risk Index  
**42**

Common: 6.5mi SE of Crestview  
Drainage: Titi Creek GPS: 30.607561, -86.816481  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-23-07  
Parcel No.: 1  
Road Name: RR211 East Eglin AFB



Crossing Structure: US



US



Google

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | E                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Other                      | 0         |
| <i>Upstream Lt Outlet</i>           | Other                      | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Other                      | 0         |
| <i>Downstream Lt Outlet</i>         | Other                      | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: 12,25,26  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                   |
|--------------------|--------------|-------------------------------------|
| 303(d)             | No           | N/A                                 |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | No           | N/A                                 |
| Land Cover/ Use    | Yes          | INSTITUTIONAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                 |
| Sturgeon C.H.      | No           | N/A                                 |

Notes: Hilltop to hilltop paving, but ditches are washing sediment down to pile on top of the bridge.

| Unnamed tributary  | ok-0429-r-006  | <i>Sedimentation Risk Index</i><br><b>42</b>  |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
|--|--|---|---------|--------------|-------------------------|--------|-----|-------------------------------|-----------------|-----|-----------------------------------|--------------------|-----|--|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 4.5mi W of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.739574285, -86.641770415<br><u>Land owner:</u> T.V. Kolmetz  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 3N-24-22<br><u>Parcel No.:</u> 3.20010<br><u>Road Name:</u> Al Gillman Rd | <u>State:</u> Florida   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
|   |  |   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <b>Crossing Structure: DS</b>  |  | <b>US</b>   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><b>Outlet Total</b></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><b>Ditches Total</b></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>42</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | PONDED | 1   | <i>DS Channel Morph</i>       | E               | 5   | <i>DS Bank Alteration</i>         | HIGH               | 1   | <i>Upstream Skew Angle</i>   | 5-30°           | 3   | <i>Crossing fill condition</i>          | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Improved Outlet System | 5 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |
| Risk Factor  | Ranking  | Score   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>US Channel Morph</i>  | PONDED   | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>DS Channel Morph</i>  | E  | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>DS Bank Alteration</i>  | HIGH   | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Crossing fill condition</i>   | Good/Vegetated   | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Approach Slope Mean</i>   | <2%  | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Soil K Factor</i>   | <0.20  | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <b>Outlet Total</b>  | Improved Outlet System   | 5   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <b>Ditches Total</b>   | Unimproved Drainage System   | 1   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <b>SRI Total</b>   | <b>Medium Risk</b>   | <b>42</b>   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert,1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> 4,6,12,13,27,34,36,43,49,50,51,52<br/> <u>Rt Approach Prism Fill:</u> 0.2in<br/> <u>Lt Approach Prism Fill:</u> 0.2in       </p>  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>Yes</td><td>COLIFORMS, TURBIDITY, MERCURY</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/ELECTRICAL POWER TRANSMISSION LINES</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | Yes | COLIFORMS, TURBIDITY, MERCURY | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER | Land Use/ Cover | Yes | N/A/ELECTRICAL POWER TRANSMISSION LINES | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Feature  | Within Range   | Descriptive Field   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| 303(d)   | Yes  | COLIFORMS, TURBIDITY, MERCURY   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Wetland Species  | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Rare and Imperiled   | Yes  | ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER  |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Land Use/ Cover  | Yes  | N/A/ELECTRICAL POWER TRANSMISSION LINES   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Candidate Mussels  | No   | N/A   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |
| Sturgeon C.H.  | No   | N/A   |         |              |                         |        |     |                               |                 |     |                                   |                    |     |  |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |

Notes: Reservoir drain. DS inaccessible due to fencing off of private property

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| Unnamed tributary  | ok-0526-r-008   | <i>Sedimentation Risk Index</i><br><b>42</b>     |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
|--|---|--|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|-----|-----------------------------------|-----------------|-----|--|-------------------|----|-------------------------------|----------------------|----|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 2.9mi N of Blackman<br><u>Drainage:</u> Big Horse Creek <u>GPS:</u> 30.965575, -86.629023<br><u>Land owner:</u> James Hart-US, Unknown-DS   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-24-03<br><u>Parcel No.:</u> 4, 1.005A<br><u>Road Name:</u> Horsecreek Rd  | <u>State:</u> Florida                            |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
|   |   | US   |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Crossing Structure: US   |   |  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Native Soil</td><td>1</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Synthetic</td><td>1</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr> <td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score        | <i>US Channel Morph</i> | PONDED | 1  | <i>DS Channel Morph</i> | WETLAND         | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3   | <i>Upstream Skew Angle</i>        | 5-30°           | 3   | <i>Crossing fill condition</i>                   | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Synthetic | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |  |
| Risk Factor  | Ranking   | Score  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>  | PONDED  | 1  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>  | WETLAND   | 5  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>  | All Native Soil   | 1  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>   | <2%   | 5  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>   | Synthetic   | 1  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>42</b>  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 35,39,40,52<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in       </p>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>Yes</td><td>BLACKTIP SHINER, IRONCOLOR SHINER</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>PARCELS WITH NO VALUES/HARDWOOD CONIFEROUS-MIXED</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | Land Use/ Cover | Yes | PARCELS WITH NO VALUES/HARDWOOD CONIFEROUS-MIXED | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Feature  | Within Range  | Descriptive Field                                |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| 303(d)   | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Wetland Species  | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Rare and Imperiled   | Yes   | BLACKTIP SHINER, IRONCOLOR SHINER                |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Land Use/ Cover  | Yes   | PARCELS WITH NO VALUES/HARDWOOD CONIFEROUS-MIXED |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Candidate Mussels  | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |
| Sturgeon C.H.  | No  | N/A  |              |                         |        |    |                         |                 |    |                           |                    |     |                                   |                 |     |  |                   |    |                               |                      |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                    |           |   |  |

Notes: Top cut off culvert.

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## Unnamed tributary

ok-0617-r-002

Sedimentation Risk Index

**42**

Common: 8.78mi NW of Crestview  
Drainage: Deadfall Creek GPS: 30.869556, -86.644992  
Land owner: Lenwood Jackson-DS, Warren Griffith-US

County: Okaloosa  
PLSS(T-R-S): 4N-24-04  
Parcel No.: 4, 5  
Road Name: Lenwood Jackson Rd



Crossing Structure: US



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>42</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 40,41,42,43  
Rt Approach Prism Fill: 2.5in  
Lt Approach Prism Fill: 2.0in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | RESIDENTIAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: Oily sheen, LT buffer logged bare, severe erosion over culvert. Rip rap encircling DS. Impounded farther US.

# Unnamed tributary

wa-0710-r-005

Sedimentation Risk Index  
**42**

Common: 3.2mi NW of Mossy Head  
Drainage: Shoal River GPS: 30.781183, -86.345665  
Land owner: J. Laden Dewrell-DS, Delmar & Marlene Walker-US

County: Walton  
PLSS(T-R-S): 3N-21-04/09  
Parcel No.: 1.004; 1.009  
Road Name: Jones Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking            | Score     |
|-------------------------------------|--------------------|-----------|
| <i>US Channel Morph</i>             | DA                 | 3         |
| <i>DS Channel Morph</i>             | DA                 | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment      | 5         |
| <i>Road Approach Material</i>       | All Aggregate      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³             | 5         |
| <i>Approach Slope Mean</i>          | >4%                | 1         |
| <i>Soil K Factor</i>                | <0.20              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil          | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil          | 0         |
| <i>Upstream Rt Ditch</i>            | Vegetated          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil          | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil          | 0         |
| <b>SRI Total</b>                    | <b>Medium Risk</b> | <b>42</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 15,17,31,33,35  
Rt Approach Prism Fill: 0.75in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE SHINER |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/ HYDRIC PINE FLATWOODS      |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: 200ft of RT approach is paved. All Lt paved

## Unnamed tributary

wa-0714-r-001

Sedimentation Risk Index

**42**

Common: 4.9mi NW of Mossy Head  
Drainage: Wolf Branch GPS: 30.798529, -86.366837  
Land owner: Theodore Lehmann Jr-US, John Mills-DS

County: Walton  
PLSS(T-R-S): 4N-21-32  
Parcel No.: 2.0011; 4  
Road Name: Hinote Rd

State: Florida

Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                   | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                        | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>42</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 13,14,15,31,32,38  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.15in



| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIBE DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ HYDRIC PINE FLATWOODS                |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Grate over inlet.

| Unnamed tributary   | wa-0722-r-004   | <i>Sedimentation Risk Index</i><br><b>42</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|---|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|------------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|
| <u>Common:</u> 8.5mi N of DeFuniak Springs<br><u>Drainage:</u> Gum Creek<br><u>Land owner:</u> Helen Poole  | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 4N-19-14-20000<br><u>Parcel No.:</u> 01.50010<br><u>Road Name:</u> Barlett Rd | <u>State:</u> Florida  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
|    |   |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Crossing Structure: US  |   | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
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| Risk Factor   | Ranking   | Score  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>US Channel Morph</i>   | DA  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Channel Morph</i>   | C   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Skew Angle</i>  | <5°   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Crossing fill condition</i>  | Poor/Bare soil  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Road Approach Material</i>   | All Native Soil   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Approach Slope Mean</i>  | <2%   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Soil K Factor</i>  | <0.20   | 5  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Outlet</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 10,15,20,69<br><u>Rt Approach Prism Fill:</u> 1.0in<br><u>Lt Approach Prism Fill:</u> 0.1in  |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: center;">Within Range</th> <th style="text-align: center;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Wetland Species</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Rare and Imperiled</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Land Use/ Cover</td><td style="text-align: center;">Yes</td><td style="text-align: center;">AGRICULTURAL/ WETLAND FORESTED MIX</td></tr> <tr><td>Candidate Mussels</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> <tr><td>Sturgeon C.H.</td><td style="text-align: center;">No</td><td style="text-align: center;">N/A</td></tr> </tbody> </table>  | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | AGRICULTURAL/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Feature   | Within Range  | Descriptive Field  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| 303(d)  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Wetland Species   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Rare and Imperiled  | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Land Use/ Cover   | Yes   | AGRICULTURAL/ WETLAND FORESTED MIX   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Candidate Mussels   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |
| Sturgeon C.H.   | No  | N/A  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |                 |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |

Notes: None

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| Unnamed tributary   | wa-0722-r-006  | <i>Sedimentation Risk Index</i><br><b>42</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
|---|--|---|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|
| <u>Common:</u> 11.2mi N of DeFuniak Springs<br><u>Drainage:</u> Gum Creek<br><u>Land owner:</u> T.R. Miller Mill Co   | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 4N-18-06-11000<br><u>Parcel No.:</u> 1.0<br><u>Road Name:</u> T.R. Miller Rd | <u>State:</u> Florida   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
|    |  |   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Crossing Structure: DS  |  | DS  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><b>Outlet Total</b></td><td>Unimproved Outlet System</td><td>1</td></tr> <tr><td><b>Ditches Total</b></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Medium Risk</b></td><td><b>42</b></td></tr> </tbody> </table> |  | Risk Factor   | Ranking | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>             | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <b>Outlet Total</b> | Unimproved Outlet System | 1 | <b>Ditches Total</b> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>42</b> |  |
| Risk Factor   | Ranking  | Score   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>US Channel Morph</i>   | C  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>DS Channel Morph</i>   | C  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Approach Slope Mean</i>  | <2%  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Soil K Factor</i>  | <0.20  | 5   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Outlet</i>   | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <b>Outlet Total</b>   | Unimproved Outlet System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <b>Ditches Total</b>  | Unimproved Drainage System   | 1   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>42</b>   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 13,29,32,35,39<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.1in   |  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>AGRICULTURAL/<br/>UPLAND CONIFEROUS FORESTS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | AGRICULTURAL/<br>UPLAND CONIFEROUS FORESTS | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Feature   | Within Range   | Descriptive Field   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| 303(d)  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Wetland Species   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Rare and Imperiled  | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Land Use/ Cover   | Yes  | AGRICULTURAL/<br>UPLAND CONIFEROUS FORESTS  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Candidate Mussels   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |
| Sturgeon C.H.   | No   | N/A   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |  |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                            |   |                  |                    |           |   |

Notes: None

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# Larkin Creek

co-0729-r-003

Sedimentation Risk Index  
**44**

Common: 5.4mi NW of Laurel Hill  
Drainage: Yellow River GPS: 31.008716, -86.534784  
Land owner: Charles & Ola Churchwell

County: Covington  
PLSS (T-R-S): 1N-15E-34  
Parcel No.: 6  
Road Name: Walker Rd

State: Alabama



Crossing Structure: US



US



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                               | 3         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                            | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring             | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                           | 5         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: BgA,FoA,IbA,KaA,MBA,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | Yes          | METALS (MERCURY)  |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND- LOBLOLLY MODIFIER |
| Candidate Mussels  | Yes          | FUZZY PIGTOE, SOUTHERN SANDSHELL  |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

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## Unnamed tributary

co-0731-r-002

Sedimentation Risk Index  
**44**

Common: 5.1mi NW of Laurel Hill  
Drainage: Larkin Creek GPS: 31.032136, -86.496928  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 1N-15E-24  
Parcel No.: 10  
Road Name: Booth Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: BoC,MBA, TrB, TrD  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: US outlet sediment loading.

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# Larkin Creek

co-0731-r-003

Sedimentation Risk Index  
**44**

Common: 5.7mi NW of Laurel Hill  
Drainage: Yellow River      GPS: 31.041678, -86.494814  
Land owner: Rayonier Forest Resources

County: Covington  
PLSS (T-R-S): 1N-16E-19  
Parcel No.: 1  
Road Name: Booth Rd

State: Alabama



Crossing Structure: US



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Aggregate                    | 5         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | >4%                              | 1         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Lt Outlet</i>           | Bare soil                        | 0         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: BoB,BoC,LuB,MBA,OrB,TrB,TrD  
Rt Approach Prism Fill: 1.0in  
Lt Approach Prism Fill: 0.75in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN<br>SOUTHERN MESIC SLOPE FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Woody debris build-up DS.

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# Taylor Mill Creek

co-0904-r-016

Sedimentation Risk Index  
**44**

Common: 6.8mi SE of Andalusia  
Drainage: Yellow River      GPS: 31.278513547, -86.372965993  
Land owner: C&R Wratchford -US, J&R Pate LE -DS

County: Covington  
PLSS (T-R-S): 4N-17E-29/32  
Parcel No.: 16; 5  
Road Name: Ellis Griggs Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: BoC,CdB,DmB,FuB,MBA  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                                |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>SUCCESSIONAL SHRUB,<br>SCRUB (CLEAR CUT) |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

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| Unnamed tributary   | co-0904-r-017   | <i>Sedimentation Risk Index</i><br><b>44</b> |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
|---|---|--|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|------|---|----------------------------|------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|--------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|----------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 2.8mi SW of Opp<br><u>Drainage:</u> Indian Creek <u>GPS:</u> 31.253022205, -86.287154176<br><u>Land owner:</u> Charles Jr & Renee Burgess  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-18E-6<br><u>Parcel No.:</u> 8.02<br><u>Road Name:</u> Substation Rd | <u>State:</u> Alabama                        |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <br>Crossing Structure: US   | <br>DS                                |  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&gt;30°</td><td>1</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>&gt;4%</td><td>1</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr> <td><i>Ditches Total</i></td><td>Improved Drainage System</td><td>5</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 3<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> CdC,FuB,MBA,OrB,OrC<br/> <u>Rt Approach Prism Fill:</u> 0.3in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | >30° | 1 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> | <br>Google | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr> <td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>PASTURE, HAY</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>PASTURE, HAY | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | C   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | HIGH  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | >30°  | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | >4%   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Bare soil   | 0  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Improved Drainage System  | 5  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>44</b>                                    |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field                            |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| 303(d)  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Wetland Species   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Rare and Imperiled  | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | N/A/<br>PASTURE, HAY                         |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A  |       |                         |   |   |                         |   |   |                           |      |   |                            |      |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                          |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |                      |                   |    |     |               |    |     |

Notes: Most of Rt approach paved

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# Poley Creek

co-1027-r-009

Sedimentation Risk Index  
**44**

Common: 5.0mi NW of Opp  
Drainage: Lightwood Knot  
Land owner: Patricia Edge

GPS: 31.345664048, -86.296779154

County: Covington  
PLSS (T-R-S): 4N-17E-1  
Parcel No.: 1  
Road Name: Wages Rd

State: Alabama



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring               | 3         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Vegetated                          | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Bridge, 1           |
| <u>Crossing Materials:</u>         | Reinforced Concrete |
| <u>Soil Types:</u>                 | MBA,OrB,OrC,OrE,TrD |
| <u>Rt Approach Prism Fill:</u>     | 0.5in               |
| <u>Lt Approach Prism Fill:</u>     | 0.25in              |

| Feature            | Within Range | Descriptive Field    |
|--------------------|--------------|----------------------|
| 303(d)             | No           | N/A                  |
| Wetland Species    | No           | N/A                  |
| Rare and Imperiled | No           | N/A                  |
| Land Use/Cover     | Yes          | N/A/<br>PASTURE, HAY |
| Candidate Mussels  | No           | N/A                  |
| Sturgeon C.H.      | No           | N/A                  |

Notes: High sediment loads from outlets.

# Mulberry Creek

co-1027-r-010

Sedimentation Risk Index  
**44**

Common: 4.9mi NW of Opp  
Drainage: Poley Creek GPS: 31.334838128, -86.309673279  
Land owner: Jack and Mary Odom

County: Covington  
PLSS (T-R-S): 4N-17E-1  
Parcel No.: 3  
Road Name: Carlisle Rd

State: Alabama



Crossing Structure: DS

US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |



## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: MBA,OrB,OrC,OrE  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | No           | N/A               |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

Notes: None

# Good Springs Creek

co-1102-r-005

Sedimentation Risk Index

**44**

Common: 2.0mi S of Five Points  
Drainage: Poley Creek GPS: 31.410927205,-86.301856745  
Land owner: Charles & Stacy Hinds

County: Covington  
PLSS (T-R-S): 5N-17E-12  
Parcel No.: 1  
Road Name: Chalker Rd

State: Alabama



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | C                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                  | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: Cdc,DmB,MBA,OrB,OrC  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.50in

| Feature            | Within Range | Descriptive Field    |
|--------------------|--------------|----------------------|
| 303(d)             | No           | N/A                  |
| Wetland Species    | No           | N/A                  |
| Rare and Imperiled | No           | N/A                  |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE, HAY |
| Candidate Mussels  | No           | N/A                  |
| Sturgeon C.H.      | No           | N/A                  |

Notes: None

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# Poley Creek

co-1102-r-009

Sedimentation Risk Index  
**44**

Common: 2.2mi SE of Five Points  
Drainage: Lightwood Knot GPS: 31.420291457, -86.273888041  
Land owner: Paul Langford

County: Covington  
PLSS (T-R-S): 5N-18E-8  
Parcel No.: 7  
Road Name: Mitchell Rd

State: Alabama



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                | 5         |
| <i>DS Channel Morph</i>             | C                                | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                           | 3         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>               | <b>44</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Bridge,1            |
| <u>Crossing Materials:</u>         | Reinforced Concrete |
| <u>Soil Types:</u>                 | MBA,OrB,OrC,OrE,TrD |
| <u>Rt Approach Prism Fill:</u>     | 0.75in              |
| <u>Lt Approach Prism Fill:</u>     | 0.25in              |

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

## Unnamed tributary

co-1103-r-017

Sedimentation Risk Index  
**44**

Common: 5.3mi E of Cedar Grove  
Drainage: Poley Creek GPS: 31.352183333, -86.238752688  
Land owner: T. Ivey Powell & Sons INC North, Ruth Cain South

County: Covington State: Alabama  
PLSS (T-R-S): 5N-18E-34/4N-18E-3  
Parcel No.: 3,3  
Road Name: Cain Rd



Crossing Structure: US



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | DA                                 | 3         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Rip Rap                            | 1         |
| <i>Upstream Lt Ditch</i>            | Rip Rap                            | 1         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: MBA,OrB,OrE,TrD  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN SOUTHERN MESIC SLOPE FOREST, EAST GULF COASTAL PLAIN INTERIOR UPLAND LONGLEAF PINE WOODLAND-OFFSITE HARDWOOD MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

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# Turkey Gobbler Creek

ok-0407-r-002

Sedimentation Risk Index  
**44**

Common: 9.3mi SW of Crestview  
Drainage: Yellow River      GPS: 30.637169, -86.636894  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-24-19  
Parcel No.: 1  
Road Name: RR 238 Eglin AFB



Crossing Structure: Rt Approach



DS

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | E                          | 5         |
| <i>DS Channel Morph</i>             | C                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare Soil             | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                  | 0         |
| <i>Upstream Lt Outlet</i>           | Concrete                   | 0         |
| <i>Upstream Rt Ditch</i>            | Concrete                   | 0         |
| <i>Upstream Lt Ditch</i>            | Concrete                   | 0         |
| <i>Downstream Rt Outlet</i>         | Concrete                   | 0         |
| <i>Downstream Lt Outlet</i>         | Concrete                   | 0         |
| <i>Downstream Rt Ditch</i>          | Concrete                   | 0         |
| <i>Downstream Lt Ditch</i>          | Concrete                   | 0         |
| <i>Outlet Total</i>                 | Unimproved Outlet System   | 1         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Ford, 1  
Crossing Materials: Native Soil  
Soil Types: 12, 13  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in



| Feature            | Within Range | Descriptive Field                   |
|--------------------|--------------|-------------------------------------|
| 303(d)             | No           | N/A                                 |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS   |
| Rare and Imperiled | No           | N/A                                 |
| Land Use/ Cover    | Yes          | INSTITUTIONAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                 |
| Sturgeon C.H.      | No           | N/A                                 |

Notes: Both approaches paved hilltop to hilltop

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| Mill Branch   | ok-0512-r-007   | Sedimentation Risk Index<br><b>44</b>    |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
|---|---|--|--------------|-------------------------|---------|----|-------------------------|-----------------|-----|-----------------------------------|--------------------|----|----------------------------|-----------------|-----|--|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 7.7mi NW of Crestview<br><u>Drainage:</u> Deadfall Creek <u>GPS:</u> 30.856417, -86.636839<br><u>Land owner:</u> Blackwater River State Forest   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 4N-24-10<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> H-52 Halloway Rd   | <u>State:</u> Florida                    |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
|    |   |  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Crossing Structure: US  | US  |  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>WETLAND</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&gt;30°</td> <td>1</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td>1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>0.21-0.40</td> <td>3</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Improved Drainage System</td> <td>5</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>44</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking                                  | Score        | <i>US Channel Morph</i> | WETLAND | 5  | <i>DS Channel Morph</i> | DA              | 3   | <i>DS Bank Alteration</i>         | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | >30°            | 1   | <i>Crossing fill condition</i>           | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> |  |  |
| Risk Factor   | Ranking   | Score                                    |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | WETLAND   | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA  | 3  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | >30°  | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap  | 3  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate   | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | >4%   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | 0.21-0.40   | 3  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System  | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Improved Drainage System  | 5  |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>  | <b>44</b>                                |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert,1; Ford, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 23,24,25,43,49<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.1in       </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                                  | Within Range | Descriptive Field       | 303(d)  | No | N/A                     | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Feature   | Within Range  | Descriptive Field                        |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| 303(d)  | No  | N/A                                      |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Wetland Species   | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS        |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Rare and Imperiled  | No  | N/A                                      |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Land Use/ Cover   | Yes   | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Candidate Mussels   | No  | N/A                                      |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |
| Sturgeon C.H.   | No  | N/A                                      |              |                         |         |    |                         |                 |     |                                   |                    |    |                            |                 |     |  |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                    |           |   |  |

Notes: Insufficient culvert to drain US wetland- road turned into ford.

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| Little Horse Creek   |                                    | ok-0526-r-003  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|--|------------------------------------|--|-----------------------|------------------|---|---|------------------|---|---|--------------------|---------|---|---------------------|-----|---|-------------------------|--------------|---|------------------------|---------------|---|------------------------|---------------|---|------------------------------|----------|---|---------------------|-----|---|---------------|-----------|---|--------------------|-----------|---|--------------------|-----------|---|-------------------|-----------|---|-------------------|-----------|---|----------------------|-----------|---|----------------------|---------|---|---------------------|-----------|---|---------------------|-----------|---|--------------|----------------------------------|---|---------------|------------------------------------|---|-----------|-------------|----|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 8.3mi W of Laurel Hill  | <u>GPS:</u> 30.955267, -86.604486  | <u>County:</u> Okaloosa  | <u>State:</u> Florida |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <u>Drainage:</u> Big Horse Creek   |                                    | <u>PLSS(T-R-S):</u> 5N-24-01   |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <u>Land owner:</u> Blackwater River State Forest   |                                    | <u>Parcel No.:</u> 1   |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|  |                                    | <u>Road Name:</u> W Kelly Rd   |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|   | US                                 |  | DS                    |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td>US Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Channel Morph</td><td>E</td><td>5</td></tr> <tr><td>DS Bank Alteration</td><td>NATURAL</td><td>5</td></tr> <tr><td>Upstream Skew Angle</td><td>&lt;5°</td><td>5</td></tr> <tr><td>Crossing fill condition</td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td>Inlet/Outlet Condition</td><td>No Impairment</td><td>5</td></tr> <tr><td>Road Approach Material</td><td>All Sand/Clay</td><td>3</td></tr> <tr><td>Potential Eroded Volume Mean</td><td>21-40 y³</td><td>3</td></tr> <tr><td>Approach Slope Mean</td><td>&gt;4%</td><td>1</td></tr> <tr><td>Soil K Factor</td><td>0.21-0.40</td><td>3</td></tr> <tr><td>Upstream Rt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Lt Outlet</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Rt Ditch</td><td>Vegetated</td><td>1</td></tr> <tr><td>Upstream Lt Ditch</td><td>Vegetated</td><td>1</td></tr> <tr><td>Downstream Rt Outlet</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Outlet</td><td>Rip Rap</td><td>1</td></tr> <tr><td>Downstream Rt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Downstream Lt Ditch</td><td>Bare soil</td><td>0</td></tr> <tr><td>Outlet Total</td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td>Ditches Total</td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr><td>SRI Total</td><td>Medium Risk</td><td>44</td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1</p> <p><u>Crossing Materials:</u> Wood</p> <p><u>Soil Types:</u> 12,13,16,20,23,24,36,39,43,52</p> <p><u>Rt Approach Prism Fill:</u> 0.5in</p> <p><u>Lt Approach Prism Fill:</u> 0.75in</p> | Risk Factor                        | Ranking  | Score                 | US Channel Morph | E | 5 | DS Channel Morph | E | 5 | DS Bank Alteration | NATURAL | 5 | Upstream Skew Angle | <5° | 5 | Crossing fill condition | Fair/Rip Rap | 3 | Inlet/Outlet Condition | No Impairment | 5 | Road Approach Material | All Sand/Clay | 3 | Potential Eroded Volume Mean | 21-40 y³ | 3 | Approach Slope Mean | >4% | 1 | Soil K Factor | 0.21-0.40 | 3 | Upstream Rt Outlet | Vegetated | 1 | Upstream Lt Outlet | Vegetated | 1 | Upstream Rt Ditch | Vegetated | 1 | Upstream Lt Ditch | Vegetated | 1 | Downstream Rt Outlet | Bare soil | 0 | Downstream Lt Outlet | Rip Rap | 1 | Downstream Rt Ditch | Bare soil | 0 | Downstream Lt Ditch | Bare soil | 0 | Outlet Total | Partially Improved Outlet System | 3 | Ditches Total | Partially Improved Drainage System | 3 | SRI Total | Medium Risk | 44 | <p><i>Sedimentation Risk Index</i></p> <p><b>44</b></p>  <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking                            | Score  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| US Channel Morph   | E                                  | 5  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| DS Channel Morph   | E                                  | 5  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| DS Bank Alteration   | NATURAL                            | 5  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Upstream Skew Angle  | <5°                                | 5  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Crossing fill condition  | Fair/Rip Rap                       | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Inlet/Outlet Condition   | No Impairment                      | 5  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Road Approach Material   | All Sand/Clay                      | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Potential Eroded Volume Mean   | 21-40 y³                           | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Approach Slope Mean  | >4%                                | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Soil K Factor  | 0.21-0.40                          | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Upstream Rt Outlet   | Vegetated                          | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Upstream Lt Outlet   | Vegetated                          | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Upstream Rt Ditch  | Vegetated                          | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Upstream Lt Ditch  | Vegetated                          | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Downstream Rt Outlet   | Bare soil                          | 0  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Downstream Lt Outlet   | Rip Rap                            | 1  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Downstream Rt Ditch  | Bare soil                          | 0  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Downstream Lt Ditch  | Bare soil                          | 0  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Outlet Total   | Partially Improved Outlet System   | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Ditches Total  | Partially Improved Drainage System | 3  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| SRI Total  | Medium Risk                        | 44   |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature  | Within Range                       | Descriptive Field  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)   | No                                 | N/A  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species  | Yes                                | 1-3 FOCAL SPECIES IN UPLAND AREAS  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled   | No                                 | N/A  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes                                | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX   |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels  | No                                 | N/A  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.  | No                                 | N/A  |                       |                  |   |   |                  |   |   |                    |         |   |                     |     |   |                         |              |   |                        |               |   |                        |               |   |                              |          |   |                     |     |   |               |           |   |                    |           |   |                    |           |   |                   |           |   |                   |           |   |                      |           |   |                      |         |   |                     |           |   |                     |           |   |              |                                  |   |               |                                    |   |           |             |    |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: None

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| Unnamed tributary  | ok-0526-r-009   | <i>Sedimentation Risk Index</i><br><b>44</b> |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
|--|---|--|-------|-------------------------|--------|---|-------------------------|---|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|--------------------|-----------|---|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|-----------------------------------|-----------------|-----|-----------------------------------|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 3mi NE of Blackman<br><u>Drainage:</u> Big Horse Creek <u>GPS:</u> 30.967639, -86.625359<br><u>Land owner:</u> Lonnie Hughes Jr- US, Rhonda Nelson- DS  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-24-03<br><u>Parcel No.:</u> 1.0040, 1.002A<br><u>Road Name:</u> Owen Cotton Cemetery Rd | <u>State:</u> Florida                        |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <br>Crossing Structure: DS  | <br>US  |  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td><td>PONDED</td><td>1</td></tr> <tr> <td><i>DS Channel Morph</i></td><td>B</td><td>5</td></tr> <tr> <td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr> <td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr> <td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr> <td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr> <td><i>Road Approach Material</i></td><td>All Native Soil</td><td>1</td></tr> <tr> <td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr> <td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr> <td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr> <td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Rt Ditch</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr> <td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr> <td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr> <td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td></tr> <tr> <td style="text-align: right;"><b>SRI Total</b></td><td style="text-align: right;"><b>Medium Risk</b></td><td style="text-align: right;"><b>44</b></td></tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 35,39,43,52<br/> <u>Rt Approach Prism Fill:</u> 0.5in<br/> <u>Lt Approach Prism Fill:</u> 0.5in</p> | Risk Factor   | Ranking                                      | Score | <i>US Channel Morph</i> | PONDED | 1 | <i>DS Channel Morph</i> | B | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> | <br>US | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td><td>No</td><td>N/A</td></tr> <tr> <td>Wetland Species</td><td>Yes</td><td>1-3 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr> <td>Rare and Imperiled</td><td>Yes</td><td>BLACKTIP SHINER, IRONCOLOR SHINER</td></tr> <tr> <td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>HARDWOOD CONIFEROUS-MIXED</td></tr> <tr> <td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr> <td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | BLACKTIP SHINER, IRONCOLOR SHINER | Land Use/ Cover | Yes | N/A/<br>HARDWOOD CONIFEROUS-MIXED | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | PONDED  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | B   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | HIGH  | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Native Soil   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | <0.20   | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System  | 5  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Partially Improved Drainage System  | 3  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>44</b>                                    |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                            |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| 303(d)   | No  | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS            |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Rare and Imperiled   | Yes   | BLACKTIP SHINER, IRONCOLOR SHINER            |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | N/A/<br>HARDWOOD CONIFEROUS-MIXED            |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A  |       |                         |        |   |                         |   |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                    |           |   |  |         |              |                   |        |    |     |                 |     |                                   |                    |     |                                   |                 |     |                                   |                   |    |     |               |    |     |

Notes: None

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# Bridge Branch

ok-1005-r-003

Sedimentation Risk Index

**44**

Common: 6mi E of Crestview  
Drainage: Bear Creek GPS: 30.756197979, -86.469174761  
Land owner: Courington Construction Inc

County: Okaloosa  
PLSS(T-R-S): 3N-22-17  
Parcel No.: 4.001  
Road Name: Carousel Rd

State: Florida



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | B                          | 5         |
| <i>DS Channel Morph</i>             | B                          | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | Sed Islands/Scouring       | 3         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | >4%                        | 1         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 12, 13, 25  
Rt Approach Prism Fill: 2.0in  
Lt Approach Prism Fill: 3.0in



| Feature            | Within Range | Descriptive Field                                       |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS                       |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | ACREAGE NOT ZONED FOR AGRICULTURE/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Highly vegetated.

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# Unnamed tributary

wa-0626-r-007

Sedimentation Risk Index  
**44**

Common: 6.5mi SE of Florala  
Drainage: Turkey Creek GPS: 30.926158, -86.267631  
Land owner: James & Elizabeth Hall- US, Laura Wise-Adams-DS

County: Walton State: Florida  
PLSS: 5N-20-17/20  
Parcel No.: 5; 3.001  
Road Name: Pittman Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                             | 1         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | HIGH                               | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                              | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>                 | <b>44</b> |

| Feature            | Within Range | Descriptive Field                    |
|--------------------|--------------|--------------------------------------|
| 303(d)             | Yes          | COLIFORMS, TURBIDITY                 |
| Wetland Species    | No           | N/A                                  |
| Rare and Imperiled | No           | N/A                                  |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ CONIFEROUS PLANTATIONS |
| Candidate Mussels  | No           | N/A                                  |
| Sturgeon C.H.      | No           | N/A                                  |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 6,13,60  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in

Notes: Dry at time of survey. Dead minnows in DS puddle.

| Unnamed tributary   | wa-0714-r-005  | Sedimentation Risk Index<br><b>44</b>  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|---|--|--|--------------|-------------------------|---------------|----|-------------------------|------------------------|----|---------------------------|---------------------------|-----|--|------------------------|-----|------------------------------------|--------------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|--|
| <u>Common:</u> 9.8mi NW of DeFuniak Springs<br><u>Drainage:</u> Big Swamp Creek <u>GPS:</u> 30.843701, -86.197376<br><u>Land owner:</u> Vivian Worley-US, Juanita Courtney-DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 4N-20-13<br><u>Parcel No.:</u> 3; 5<br><u>Road Name:</u> Price Rd   | <u>State:</u> Florida  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
|    |  |  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Crossing Structure: DS</b>   |  | <b>DS</b>  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
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| Risk Factor   | Ranking  | Score  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Channel Morph</i>   | DA   | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>SRI Total</b>  | <b>Medium Risk</b>   | <b>44</b>  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> 15,26,60<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.25in       </p>   | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Feature</th> <th style="text-align: left; padding: 2px;">Within Range</th> <th style="text-align: left; padding: 2px;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;"><b>303(d)</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Wetland Species</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Rare and Imperiled</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER</td></tr> <tr> <td style="padding: 2px;"><b>Land Use/ Cover</b></td><td style="padding: 2px;">Yes</td><td style="padding: 2px;">AGRICULTURAL/ WETLAND FORESTED MIX</td></tr> <tr> <td style="padding: 2px;"><b>Candidate Mussels</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> <tr> <td style="padding: 2px;"><b>Sturgeon C.H.</b></td><td style="padding: 2px;">No</td><td style="padding: 2px;">N/A</td></tr> </tbody> </table> | Feature  | Within Range | Descriptive Field       | <b>303(d)</b> | No | N/A                     | <b>Wetland Species</b> | No | N/A                       | <b>Rare and Imperiled</b> | Yes | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER | <b>Land Use/ Cover</b> | Yes | AGRICULTURAL/ WETLAND FORESTED MIX | <b>Candidate Mussels</b> | No | N/A                           | <b>Sturgeon C.H.</b> | No | N/A                           |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| Feature   | Within Range   | Descriptive Field  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>303(d)</b>   | No   | N/A  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Wetland Species</b>  | No   | N/A  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Rare and Imperiled</b>   | Yes  | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER                                 |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Land Use/ Cover</b>  | Yes  | AGRICULTURAL/ WETLAND FORESTED MIX   |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Candidate Mussels</b>  | No   | N/A  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |
| <b>Sturgeon C.H.</b>  | No   | N/A  |              |                         |               |    |                         |                        |    |                           |                           |     |  |                        |     |                                    |                          |    |                               |                      |    |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                    |           |   |  |

Notes: Aggregate getting into stream channel.

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## Unnamed tributary

wa-0722-r-009

Sedimentation Risk Index  
**44**

Common: 6.4mi N of DeFuniak Springs  
Drainage: Gum Creek GPS: 30.814542, -86.129770  
Land owner: Johnny Padgey & Anne Waverly-US, Ralph Proctor-DS

County: Walton  
PLSS (T-R-S): 4N-19-27-20000  
Parcel No.: 1.0010;006.0000  
Road Name: McLendon Rd

State: Florida



Crossing Structure: DS



US



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | PONDED                     | 1         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | HIGH                       | 1         |
| <i>Upstream Skew Angle</i>          | 5-30°                      | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Aggregate              | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Medium Risk</b>         | <b>44</b> |

**Additional Site Features**

Crossing Type and Quantity: Culvert, 3  
Crossing Materials: Metal  
Soil Types: 10,13,29  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field     |
|--------------------|--------------|-----------------------|
| 303(d)             | No           | N/A                   |
| Wetland Species    | No           | N/A                   |
| Rare and Imperiled | No           | N/A                   |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ CYPRESS |
| Candidate Mussels  | No           | N/A                   |
| Sturgeon C.H.      | No           | N/A                   |

Notes: Pond drainage, but also culverts for road crossing.

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| Unnamed tributary  | wa-0723-r-003   | Sedimentation Risk Index<br><b>44</b>            |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|--|---|--|-------|-------------------------|------------|---|-------------------------|----|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|--------------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 7.2mi SE of Florala<br><u>Drainage:</u> Caney Creek <u>GPS:</u> 30.944042388, -86.230059991<br><u>Land owner:</u> Elizabeth Bopp-DS, Deanna Wilson-US   | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 5N-20-10-30000<br><u>Parcel No.:</u> 7; 2.001<br><u>Road Name:</u> Davis Rd | <u>State:</u> Florida                            |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <br>DS  | <br>US                                  |  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>BEAVER DAM</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Blocked</td> <td>1</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>0.21-0.40</td> <td>3</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Medium Risk</b></td> <td><b>44</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 2<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 6,13,14,15,31,32,59,60<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor   | Ranking  | Score | <i>US Channel Morph</i> | BEAVER DAM | 3 | <i>DS Channel Morph</i> | DA | 3 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | Blocked | 1 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Medium Risk</b> | <b>44</b> | <br>US | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>PARCELS WITH NO VALUES/<br/>HYDRIC PINE FLATWOODS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | PARCELS WITH NO VALUES/<br>HYDRIC PINE FLATWOODS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor  | Ranking   | Score  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>  | BEAVER DAM  | 3  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>  | DA  | 3  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>  | Blocked   | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>  | All Aggregate   | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>   | <2%   | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>   | 0.21-0.40   | 3  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>  | Improved Outlet System  | 5  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>   | <b>Medium Risk</b>  | <b>44</b>  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature  | Within Range  | Descriptive Field                                |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)   | No  | N/A  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species  | No  | N/A  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled   | No  | N/A  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover  | Yes   | PARCELS WITH NO VALUES/<br>HYDRIC PINE FLATWOODS |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels  | No  | N/A  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.  | No  | N/A  |       |                         |            |   |                         |    |   |                           |               |   |                            |     |   |                                |                |   |                               |         |   |                               |               |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                    |           |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: Highly vegetated DS

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# Mulberry Creek

co-0831-r-006

Sedimentation Risk Index  
**46**

Common: 6.4mi SW of Opp  
Drainage: Indian Creek GPS: 31.199322, -86.303517  
Land owner: Rayonier Forest Resources LP

County: Covington  
PLSS (T-R-S): 3N-17E-25  
Parcel No.: 1  
Road Name: Tweedle Bell Rd



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | B                          | 5         |
| <i>DS Channel Morph</i>             | B                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL              | 3         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                     | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: BoB,BoC,CdB,CdC,FoA,FuB,MB,A  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 2.5in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---------------------|
| 303(d)             | No           | N/A                 |
| Wetland Species    | No           | N/A                 |
| Rare and Imperiled | No           | N/A                 |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE,HAY |
| Candidate Mussels  | No           | N/A                 |
| Sturgeon C.H.      | No           | N/A                 |

Notes: None

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| Common:<br><u>Drainage:</u><br><u>Land owner:</u>  | 6.6mi SW of Opp<br>Indian Creek<br>C&G LLC | co-0831-r-009   | Sedimentation Risk Index<br><b>46</b>  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
|--|--|---|--|---------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|--------------------------------|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|----------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|
| <u>GPS:</u>  | 31.208408, -86.328674                      | <u>County:</u><br><u>PLSS (T-R-S):</u><br><u>Parcel No.:</u><br><u>Road Name:</u> | Covington<br>3N-17E-22/23<br>11<br>Harrell Rd  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
|   |  |   |    |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Crossing Structure: US   |  |   | US   |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>B</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>Sed Islands/Scouring</td><td>3</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Aggregate</td><td>5</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>21-40 y³</td><td>3</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td></tr> </tbody> </table> |  |   | Risk Factor  | Ranking | Score        | <i>US Channel Morph</i> | B      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i> | Poor/Bare soil    | 1  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | 21-40 y³ | 3 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |
| Risk Factor  | Ranking                                    | Score   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>US Channel Morph</i>  | B  | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>DS Channel Morph</i>  | C  | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL                              | 3   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Crossing fill condition</i>   | Poor/Bare soil                             | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring                       | 3   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Road Approach Material</i>  | All Aggregate                              | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Potential Eroded Volume Mean</i>  | 21-40 y³                                   | 3   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Approach Slope Mean</i>   | <2%  | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Soil K Factor</i>   | <0.20                                      | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Rt Outlet</i>  | Vegetated                                  | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Lt Outlet</i>  | Vegetated                                  | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Rt Ditch</i>   | Bare soil                                  | 0   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Upstream Lt Ditch</i>   | Bare soil                                  | 0   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Rt Outlet</i>  | Vegetated                                  | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Lt Outlet</i>  | Vegetated                                  | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Rt Ditch</i>   | Bare soil                                  | 0   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Downstream Lt Ditch</i>   | Bare soil                                  | 0   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Outlet Total</i>  | Improved Outlet System                     | 5   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <i>Ditches Total</i>   | Unimproved Drainage System                 | 1   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <b>SRI Total</b>   | <b>Low Risk</b>                            | <b>46</b>   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BoC,CdB,CdC,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 0.5in<br><u>Lt Approach Prism Fill:</u> 0.75in  |  |   | <table border="1"> <thead> <tr> <th>Feature</th><th>Within Range</th><th>Descriptive Field</th></tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>N/A/<br/>DEVELOPED OPEN SPACE</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>DEVELOPED OPEN SPACE   | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Feature  | Within Range                               | Descriptive Field   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| 303(d)   | No   | N/A   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Wetland Species  | No   | N/A   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Rare and Imperiled   | No   | N/A   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Land Use/ Cover  | Yes  | N/A/<br>DEVELOPED OPEN SPACE  |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Candidate Mussels  | No   | N/A   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |
| Sturgeon C.H.  | No   | N/A   |  |         |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                |                   |    |                               |                      |    |                               |               |   |                                     |          |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |

Notes: None

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| Common:<br><u>Drainage:</u><br><u>Land owner:</u>                                 | 7.8mi SE of Andalusia<br>Poplar Creek      GPS: 31.201271576, -86.441651591<br>David Sightler - US, Howard Sightler-DS | co-0901-r-003  | Sedimentation Risk Index<br><b>46</b> |
|---|--|--|---------------------------------------|
|   |  |  |                                       |
| <u>County:</u><br><u>PLSS (T-R-S):</u><br><u>Parcel No.:</u><br><u>Road Name:</u> | Covington<br>3N-16E-27<br>2; 4<br>Wamblesville Rd  |  |                                       |
|  |  |  |                                       |
| Crossing Structure: DS  |  | DS   |                                       |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>   |                                       |
| <i>US Channel Morph</i>   | C  | 5  |                                       |
| <i>DS Channel Morph</i>   | E  | 5  |                                       |
| <i>DS Bank Alteration</i>   | NATURAL  | 5  |                                       |
| <i>Upstream Skew Angle</i>  | 5-30°  | 3  |                                       |
| <i>Crossing fill condition</i>  | Poor/Bare soil   | 1  |                                       |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring   | 3  |                                       |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |                                       |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |                                       |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |                                       |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |                                       |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |                                       |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1  |                                       |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |                                       |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |                                       |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |                                       |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |                                       |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |                                       |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>46</b>  |                                       |
| <b>Additional Site Features</b>   |  |  |                                       |
| <i>Crossing Type and Quantity:</i>  | Culvert, 1   |  |                                       |
| <i>Crossing Materials:</i>  | Metal  |  |                                       |
| <i>Soil Types:</i>  | CdC,DmB,FoA,RaA  |  |                                       |
| <i>Rt Approach Prism Fill:</i>  | 0.05in   |  |                                       |
| <i>Lt Approach Prism Fill:</i>  | 0.1in  |  |                                       |
|   |  | <b>Feature</b>   | <b>Within Range</b>                   |
|   |  | 303(d)   | No                                    |
|   |  | Wetland Species  | No                                    |
|   |  | Rare and Imperiled   | No                                    |
|   |  | Land Use/ Cover  | Yes                                   |
|   |  | Candidate Mussels  | No                                    |
|   |  | Sturgeon C.H.  | No                                    |
|   |  |  | N/A                                   |
|   |  |  | DEVELOPED OPEN SPACE, PASTURE, HAY    |
|   |  |  | N/A                                   |
|   |  |  | N/A                                   |
|   |  |  | N/A                                   |

Notes: None

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| Common:<br><u>Drainage:</u><br><u>Land owner:</u>  | 7.0mi SE of Andalusia<br>Yellow River      GPS: 31.238586499, -86.397066995<br>Dixon Family -US, Rayonier Woodlands LLC -DS | co-0904-r-006  | Sedimentation Risk Index<br><b>46</b> |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|--|---|--|---------------------------------------|-------------------------|---------|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|--------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|--|---|--|
|  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-16E-12<br><u>Parcel No.:</u> 4;5<br><u>Road Name:</u> Willy Moore Rd   |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|   |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| Crossing Structure: US   |   | US   |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>MINOR/PARTIAL</td><td>3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Fair/Rip Rap</td><td>3</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score                                 | <i>US Channel Morph</i> | WETLAND | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Bare soil | 0 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |  |  |
| Risk Factor  | Ranking   | Score  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>US Channel Morph</i>  | WETLAND   | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>DS Channel Morph</i>  | E   | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Road Approach Material</i>  | All Sand/Clay   | 3  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Soil K Factor</i>   | <0.20   | 5  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Upstream Rt Outlet</i>  | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Upstream Lt Ditch</i>   | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Downstream Lt Outlet</i>  | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil   | 0  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>46</b>  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <b>Additional Site Features</b>  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Crossing Type and Quantity:</i>   | Culvert, 1  |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Crossing Materials:</i>   | Metal   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Soil Types:</i>   | CdB,CdC,DmB   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Rt Approach Prism Fill:</i>   | 0.25in  |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| <i>Lt Approach Prism Fill:</i>   | 0.2in   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
| Notes: None  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |
|  |   |  |                                       |                         |         |   |                         |   |   |                           |               |   |                            |     |   |                                |              |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |   |  |

| Common:<br><u>Drainage:</u><br><u>Land owner:</u>  | 8.0mi SE of Andalusia<br>Yellow River <u>GPS:</u> 31.223841314, -86.390269522<br>Louise & Tip Grider -US, John E. Vick -DS | co-0904-r-011   | Sedimentation Risk Index<br><b>46</b>  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
|--|--|---|--|-------------|---------|-------|--|-------------------------|---|---|--|-------------------------|---|---|--|---------------------------|---------|---|--|----------------------------|-------|---|--|--------------------------------|----------------|---|--|-------------------------------|---------------|---|--|-------------------------------|---------------|---|--|-------------------------------------|--------|---|--|----------------------------|--------|---|--|----------------------|-------|---|--|---------------------------|-----------|---|--|---------------------------|-----------|---|--|--------------------------|-----------|---|--|--------------------------|-----------|---|--|-----------------------------|-----------|---|--|-----------------------------|-----------|---|--|----------------------------|-----------|---|--|----------------------------|-----------|---|--|---------------------|----------------------------------|---|--|----------------------|------------------------------------|---|--|------------------|-----------------|-----------|--|
|  |  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-18<br><u>Parcel No.:</u> 5;7<br><u>Road Name:</u> Lost Forty Rd |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
|   |  |   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| Crossing Structure: US   |  |   | US   |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th><th>Ranking</th><th>Score</th><th></th></tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td><td></td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td><td></td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>5-30°</td><td>3</td><td></td></tr> <tr><td><i>Crossing fill condition</i></td><td>Poor/Bare soil</td><td>1</td><td></td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td><td></td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td><td></td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td><td></td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td><td></td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td><td></td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Vegetated</td><td>1</td><td></td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td><td></td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td><td></td></tr> <tr><td><i>Ditches Total</i></td><td>Partially Improved Drainage System</td><td>3</td><td></td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>46</b></td><td></td></tr> </tbody> </table> |  |   |  | Risk Factor | Ranking | Score |  | <i>US Channel Morph</i> | E | 5 |  | <i>DS Channel Morph</i> | E | 5 |  | <i>DS Bank Alteration</i> | NATURAL | 5 |  | <i>Upstream Skew Angle</i> | 5-30° | 3 |  | <i>Crossing fill condition</i> | Poor/Bare soil | 1 |  | <i>Inlet/Outlet Condition</i> | No Impairment | 5 |  | <i>Road Approach Material</i> | All Sand/Clay | 3 |  | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 |  | <i>Approach Slope Mean</i> | 2.1-4% | 3 |  | <i>Soil K Factor</i> | <0.20 | 5 |  | <i>Upstream Rt Outlet</i> | Vegetated | 1 |  | <i>Upstream Lt Outlet</i> | Vegetated | 1 |  | <i>Upstream Rt Ditch</i> | Bare soil | 0 |  | <i>Upstream Lt Ditch</i> | Vegetated | 1 |  | <i>Downstream Rt Outlet</i> | Bare soil | 0 |  | <i>Downstream Lt Outlet</i> | Bare soil | 0 |  | <i>Downstream Rt Ditch</i> | Bare soil | 0 |  | <i>Downstream Lt Ditch</i> | Bare soil | 0 |  | <i>Outlet Total</i> | Partially Improved Outlet System | 3 |  | <i>Ditches Total</i> | Partially Improved Drainage System | 3 |  | <b>SRI Total</b> | <b>Low Risk</b> | <b>46</b> |  |
| Risk Factor  | Ranking  | Score   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>US Channel Morph</i>  | E  | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>DS Channel Morph</i>  | E  | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>DS Bank Alteration</i>  | NATURAL  | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Upstream Skew Angle</i>   | 5-30°  | 3   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Crossing fill condition</i>   | Poor/Bare soil   | 1   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment  | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Road Approach Material</i>  | All Sand/Clay  | 3   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Approach Slope Mean</i>   | 2.1-4%   | 3   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Soil K Factor</i>   | <0.20  | 5   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Upstream Rt Outlet</i>  | Vegetated  | 1   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Upstream Lt Outlet</i>  | Vegetated  | 1   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Upstream Lt Ditch</i>   | Vegetated  | 1   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Downstream Rt Outlet</i>  | Bare soil  | 0   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Downstream Lt Outlet</i>  | Bare soil  | 0   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Downstream Rt Ditch</i>   | Bare soil  | 0   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>46</b>   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |
| <b>Additional Site Features</b> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> PVC<br/> <u>Soil Types:</u> BnB,BnC,CdB,FuB<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p>  |  |   |  |             |         |       |  |                         |   |   |  |                         |   |   |  |                           |         |   |  |                            |       |   |  |                                |                |   |  |                               |               |   |  |                               |               |   |  |                                     |        |   |  |                            |        |   |  |                      |       |   |  |                           |           |   |  |                           |           |   |  |                          |           |   |  |                          |           |   |  |                             |           |   |  |                             |           |   |  |                            |           |   |  |                            |           |   |  |                     |                                  |   |  |                      |                                    |   |  |                  |                 |           |  |

Notes: None

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# Good Springs Creek

co-1102-r-004

Sedimentation Risk Index  
**46**

Common: 2.1mi S of Five Points  
Drainage: Poley Creek GPS: 31.410927205,-86.301856745  
Land owner: Charles & Stacy Hinds

County: Covington  
PLSS (T-R-S): 5N-17E-12  
Parcel No.: ?  
Road Name: Chaker Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1  
Crossing Materials: Metal  
Soil Types: CdC ,DmB ,MBA ,OrB  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field                             |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE, PASTURE,<br>HAY |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

| Unnamed tributary   |                              | co-1103-r-013                          | Sedimentation Risk Index<br><b>46</b>  |
|---|------------------------------|--|--|
| <u>Common:</u> 5.7mi NE of Opp  | <u>Drainage:</u> Poley Creek | <u>GPS:</u> 31.356551963,-86.210525437 | <u>County:</u> Covington   |
| <u>Land owner:</u> Mary Donaldson   |                              |  | <u>State:</u> Alabama  |
|   |                              | <u>PLSS (T-R-S):</u> 5N-18E-36         |  |
|   |                              | <u>Parcel No.:</u> 2                   |  |
|   |                              | <u>Road Name:</u> Piney Grove Rd       |  |
|  |                              |  |  |
| Crossing Structure: DS  |                              |  | DS   |
| <b>Risk Factor</b>  | <b>Ranking</b>               | <b>Score</b>                           |  |
| <i>US Channel Morph</i>   | C                            | 5                                      |  |
| <i>DS Channel Morph</i>   | C                            | 5                                      |  |
| <i>DS Bank Alteration</i>   | NATURAL                      | 5                                      |  |
| <i>Upstream Skew Angle</i>  | <5°                          | 5                                      |  |
| <i>Crossing fill condition</i>  | Good/Vegetated               | 5                                      |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment                | 5                                      |  |
| <i>Road Approach Material</i>   | All Sand/Clay                | 3                                      |  |
| <i>Potential Eroded Volume Mean</i>   | 21-40 y³                     | 3                                      |  |
| <i>Approach Slope Mean</i>  | >4%                          | 1                                      |  |
| <i>Soil K Factor</i>  | 0.21-0.40                    | 3                                      |  |
| <i>Upstream Rt Outlet</i>   | Vegetated                    | 1                                      |  |
| <i>Upstream Lt Outlet</i>   | Vegetated                    | 1                                      |  |
| <i>Upstream Rt Ditch</i>  | Bare soil                    | 0                                      |  |
| <i>Upstream Lt Ditch</i>  | Bare soil                    | 0                                      |  |
| <i>Downstream Rt Outlet</i>   | Vegetated                    | 1                                      |  |
| <i>Downstream Lt Outlet</i>   | Vegetated                    | 1                                      |  |
| <i>Downstream Rt Ditch</i>  | Bare soil                    | 0                                      |  |
| <i>Downstream Lt Ditch</i>  | Bare soil                    | 0                                      |  |
| <i>Outlet Total</i>   | Improved Outlet System       | 5                                      |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1                                      |  |
| <b>SRI Total</b>  | <b>Low Risk</b>              | <b>46</b>                              |  |
| <b>Additional Site Features</b>   |                              |  |  |
| <i>Crossing Type and Quantity:</i>  | Bridge,1                     |  |  |
| <i>Crossing Materials:</i>  | Reinforced Concrete          |  |  |
| <i>Soil Types:</i>  | MBA,OrB,OrC,TrD              |  |  |
| <i>Rt Approach Prism Fill:</i>  | 0.1in                        |  |  |
| <i>Lt Approach Prism Fill:</i>  | 0.1in                        |  |  |
|   |                              |  |  |
| <b>Feature</b>  |                              | <b>Within Range</b>                    | <b>Descriptive Field</b>   |
| 303(d)  | No                           |  | N/A  |
| Wetland Species   | No                           |  | N/A  |
| Rare and Imperiled  | No                           |  | N/A  |
| Land Use/ Cover   | Yes                          |  | N/A/<br>DEVELOPED OPEN SPACE   |
| Candidate Mussels   | No                           |  | N/A  |
| Sturgeon C.H.   | No                           |  | N/A  |

Notes: None

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## Unnamed tributary

co-1103-r-014

Sedimentation Risk Index  
**46**

Common: 5.0mi NE of Opp  
Drainage: Pond Creek      GPS: 31.345344991,-86.213353168  
Land owner: Couis Cain

County: Covington  
PLSS (T-R-S): 4N-18E-2  
Parcel No.: 4  
Road Name: Piney Grove Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                   | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                     | 3         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>46</b> |

**Additional Site Features**

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: MBA,OrB,OrC,TrD  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 0.25in



| Feature            | Within Range | Descriptive Field    |
|--------------------|--------------|----------------------|
| 303(d)             | No           | N/A                  |
| Wetland Species    | No           | N/A                  |
| Rare and Imperiled | No           | N/A                  |
| Land Use/ Cover    | Yes          | N/A/<br>PASTURE, HAY |
| Candidate Mussels  | No           | N/A                  |
| Sturgeon C.H.      | No           | N/A                  |

Notes: None

|   |  |                                       |
|---|--|---------------------------------------|
| Unnamed tributary   | ok-0223-r-005  | Sedimentation Risk Index<br><b>46</b> |
| <u>Common:</u> 3.9mi SE of Holt<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.662850, -86.772450<br><u>Land owner:</u> The Nature Conservancy | <u>County:</u> Okaloosa<br><u>PLSS (T-R-S):</u> 2N-25-20<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Yellow River Log Lake Rd | <u>State:</u> Florida                 |
|    |    | DS                                    |
| <b>Crossing Structure- US</b>   |  |                                       |
| <b>Risk Factor</b>  | <b>Ranking</b>   | <b>Score</b>                          |
| <i>US Channel Morph</i>   | C  | 5                                     |
| <i>DS Channel Morph</i>   | C  | 5                                     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3                                     |
| <i>Upstream Skew Angle</i>  | <5°  | 5                                     |
| <i>Crossing fill condition</i>  | Poor/Bare Soil   | 1                                     |
| <i>Inlet/Outlet Condition</i>   | Blocked  | 1                                     |
| <i>Road Approach Material</i>   | All Native Soil  | 1                                     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                                     |
| <i>Approach Slope Mean</i>  | <2%  | 5                                     |
| <i>Soil K Factor</i>  | <0.20  | 5                                     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                     |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                     |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1                                     |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1                                     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1                                     |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1                                     |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1                                     |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1                                     |
| <i>Outlet Total</i>   | Improved Outlet System   | 5                                     |
| <i>Ditches Total</i>  | Improved Drainage System   | 5                                     |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>46</b>                             |
| <b>Additional Site Features</b>   |  |                                       |
| <i>Crossing Type and Quantity:</i>  | Culvert, 1   |                                       |
| <i>Crossing Materials:</i>  | Metal  |                                       |
| <i>Soil Types:</i>  | 6, 43, 50  |                                       |
| <i>Lt Approach Prism Fill:</i>  | 0.08in   |                                       |
| <i>Rt Approach Prism Fill:</i>  | 0.08in   |                                       |

Notes: Woody material being caught at US entrance to culvert. DS drop off.

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# Titi Creek

ok-0409-r-002

Sedimentation Risk Index  
**46**

Common: 6.3mi SE of Crestview  
Drainage: Shoal River      GPS: 30.701603275, -86.492143871  
Land owner: US Government- Eglin AFB

County: Okaloosa  
PLSS(T-R-S): 2N-22-01  
Parcel No.: 1  
Road Name: RR207 Eglin AFB



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                | 5         |
| <i>DS Channel Morph</i>             | E                                | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                          | 5         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Fair/Riprap                      | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                           | 1         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                        | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 6,12,22,25,34,50  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 1.0in

| Feature            | Within Range | Descriptive Field                    |
|--------------------|--------------|--------------------------------------|
| 303(d)             | No           | N/A                                  |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS    |
| Rare and Imperiled | No           | N/A                                  |
| Land Cover/ Use    | Yes          | INSTITUTIONAL/ STREAMS AND WATERWAYS |
| Candidate Mussels  | No           | N/A                                  |
| Sturgeon C.H.      | No           | N/A                                  |

Notes: DS Lt Outlet aggregate boat launch.

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# Baggett Creek

ok-0617-r-001

Sedimentation Risk Index  
**46**

Common: 6.4mi W of Crestview  
Drainage: Yellow River      GPS: 30.749119, -86.677778  
Land owner: Benjamin & Mary Plenge- DS, Ouida Keyser-US

County: Okaloosa  
PLSS(T-R-S): 3N-24-19  
Parcel No.: 2.006, 1  
Road Name: Keyser Mill Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | >4%                                | 1         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Other                              | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>46</b> |



## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 6,12,24,25,51  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | No           | N/A                                |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: US Rt outlet sand bag burn

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# Caney Creek

wa-0714-r-011

Sedimentation Risk Index  
**46**

Common: 10.3mi SE of Florala  
Drainage: Big Swamp Creek  
Land owner: Angus Andrews Jr

GPS: 30.899538, -86.210733

County: Walton  
PLSS(T-R-S): 5N-20-26  
Parcel No.: 3  
Road Name: Royce Gill Rd

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                  | 5         |
| <i>DS Channel Morph</i>             | DA                                 | 3         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>46</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: 13,15,20,22,25,31  
Rt Approach Prism Fill: 0.1in  
Lt Approach Prism Fill: 1.0in



| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | No           | N/A                                |
| Rare and Imperiled | No           | N/A                                |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: Approaches in bad condition; not drivable.

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| Unnamed tributary   | co-0904-r-009  | Sedimentation Risk Index<br><b>48</b>                    |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|---|--|--|---|-------------------------|---|---|-------------------------|---------|---|---------------------------|------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 8.7mi SE of Andalusia<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.223978682, -86.374240707<br><u>Land owner:</u> George Jr& Madge Powell -US, Arthur & Felma Wiggins -DS   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-17<br><u>Parcel No.:</u> 4;8<br><u>Road Name:</u> Lost Forty Rd  | <u>State:</u> Alabama                                    |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|    |    |  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: DS  | US   |  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>WETLAND</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>2.1-4%</td><td>3</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>48</b></td></tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | WETLAND | 5 | <i>DS Bank Alteration</i> | HIGH | 1 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | E  | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | WETLAND  | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>  |   |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BnB,BnC,CdB,CdC,FuB,MBA<br><u>Rt Approach Prism Fill:</u> 0.25in<br><u>Lt Approach Prism Fill:</u> 0.25in  | <b>Feature</b><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b> | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>PASTURE, HAY<br>N/A<br>N/A |                         |   |   |                         |         |   |                           |      |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |

Notes: None

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## Unnamed Tributary

co-1102-r-008

Sedimentation Risk Index

**48**

Common: 2.6mi SE of Five Points  
Drainage: Poley Creek      GPS: 31.416936117,-86.268871573  
Land owner: Jean Everage

County: Covington  
PLSS (T-R-S): 5N-18E-8  
Parcel No.: 8  
Road Name: Mitchell Rd



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                            | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                           | 3         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                            | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System             | 5         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |



| Feature            | Within Range | Descriptive Field |
|--------------------|--------------|-------------------|
| 303(d)             | No           | N/A               |
| Wetland Species    | No           | N/A               |
| Rare and Imperiled | No           | N/A               |
| Land Use/ Cover    | Yes          | N/A/<br>ROW CROP  |
| Candidate Mussels  | No           | N/A               |
| Sturgeon C.H.      | No           | N/A               |

### Additional Site Features

Crossing Type and Quantity: Bridge,1

Crossing Materials: Reinforced Concrete

Soil Types: LuB,MBA,OrB,OrC,OrE,TrD

Rt Approach Prism Fill: 0.25in

Lt Approach Prism Fill: 0.25in

Notes: None

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## Unnamed tributary

co-1102-r-010

Sedimentation Risk Index  
**48**

Common: 1.0mi NE of Five Points  
Drainage: Poley Creek GPS: 31.443749815,-86.287363957  
Land owner: Josephine Ray

County: Covington State: Alabama  
PLSS (T-R-S): 6N-18E-31  
Parcel No.: 10  
Road Name: Jack Kelly Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                          | Score     |
|-------------------------------------|----------------------------------|-----------|
| <i>US Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Channel Morph</i>             | WETLAND                          | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                    | 3         |
| <i>Upstream Skew Angle</i>          | <5°                              | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                   | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                    | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                    | 3         |
| <i>Potential Eroded Volume Mean</i> | 21-40 y³                         | 3         |
| <i>Approach Slope Mean</i>          | <2%                              | 5         |
| <i>Soil K Factor</i>                | <0.20                            | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                        | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                        | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                        | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                        | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                        | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                        | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System | 3         |
| <i>Ditches Total</i>                | Unimproved Drainage System       | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                  | <b>48</b> |



| Additional Site Features           |                     |
|------------------------------------|---------------------|
| <u>Crossing Type and Quantity:</u> | Bridge,1            |
| <u>Crossing Materials:</u>         | Reinforced Concrete |
| <u>Soil Types:</u>                 | LuB,MBA,OrB,OrC,OrE |
| <u>Rt Approach Prism Fill:</u>     | 0.25in              |
| <u>Lt Approach Prism Fill:</u>     | 0.25in              |

| Feature            | Within Range | Descriptive Field            |
|--------------------|--------------|------------------------------|
| 303(d)             | No           | N/A                          |
| Wetland Species    | No           | N/A                          |
| Rare and Imperiled | No           | N/A                          |
| Land Use/ Cover    | Yes          | N/A/<br>DEVELOPED OPEN SPACE |
| Candidate Mussels  | No           | N/A                          |
| Sturgeon C.H.      | No           | N/A                          |

Notes: None

| Unnamed tributary   |  | co-1103-r-015   | Sedimentation Risk Index<br><b>48</b>   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|---|--|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|----|-----|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 3.3mi NW of Brooklyn   | <u>County:</u> Covington               | <u>State:</u> Alabama   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <u>Drainage:</u> Poley Creek  | <u>GPS:</u> 31.333270156,-86.221932759 | <u>PLSS (T-R-S):</u> 4N-18E-11  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <u>Land owner:</u> Robert M Williams West, Jody J Jones East                      | <u>Parcel No.:</u> 6.01, 6             | <u>Road Name:</u> Piney Grove Rd  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|  |  |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Crossing Structure: DS  |  | DS  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <b>Risk Factor</b>  | <b>Ranking</b>                         | <b>Score</b>  |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | E                                      | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E                                      | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                          | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°                                    | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated                         | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | Sed Islands/Scouring                   | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay                          | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                                 | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | 2.1-4%                                 | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20                                  | 5   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated                              | 1   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated                              | 1   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil                              | 0   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil                              | 0   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil                              | 0   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated                              | 1   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil                              | 0   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Vegetated                              | 1   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System       | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Partially Improved Drainage System     | 3   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Low Risk</b>                        | <b>48</b>   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <b>Additional Site Features</b>   |  |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing Type and Quantity:</i>  | Culvert, 2                             |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing Materials:</i>  | Metal                                  |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Soil Types:</i>  | BnC,CdC,OrB                            |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Rt Approach Prism Fill:</i>  | 0.15in                                 |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| <i>Lt Approach Prism Fill:</i>  | 0.5in                                  |   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|   |  |   |    |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
|   |  |   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>EAST GULF COASTAL PLAIN INTERIOR<br/>UPLAND LONGLEAF PINE WOODLAND-<br/>OFFSITE HARDWOOD MODIFIER,<br/>SUCCESSIONAL SHRUB, SCRUB (OTHER)</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>OFFSITE HARDWOOD MODIFIER,<br>SUCCESSIONAL SHRUB, SCRUB (OTHER) | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Feature   | Within Range                           | Descriptive Field   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| 303(d)  | No                                     | N/A   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Wetland Species   | No                                     | N/A   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled  | No                                     | N/A   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes                                    | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>OFFSITE HARDWOOD MODIFIER,<br>SUCCESSIONAL SHRUB, SCRUB (OTHER) |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels   | No                                     | N/A   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.   | No                                     | N/A   |   |         |              |                   |        |    |     |                 |    |     |                    |    |     |                 |     |   |                   |    |     |               |    |     |

Notes: None

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| Unnamed tributary   | ok-0223-r-003   | Sedimentation Risk Index<br><b>48</b>                      |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
|---|---|--|--|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|------------|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|-------------------|---|----------------------------|--------|---|----------------------|---------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|--------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 4.5mi SE of Holt<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.661542, -86.785647<br><u>Land owner:</u> The Nature Conservancy   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-25-19<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Yellow River Log Lake Rd | <u>State:</u> Florida                                      |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
|    |   |  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| Crossing Structure- DS  | DS  |  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: center;">Ranking</th> <th style="text-align: center;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td style="text-align: center;">B</td><td style="text-align: center;">5</td></tr> <tr><td><i>DS Channel Morph</i></td><td style="text-align: center;">C</td><td style="text-align: center;">5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td style="text-align: center;">MINOR/PARTIAL</td><td style="text-align: center;">3</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td style="text-align: center;"><math>&lt;5^\circ</math></td><td style="text-align: center;">5</td></tr> <tr><td><i>Crossing fill condition</i></td><td style="text-align: center;">Poor/Bare Soil</td><td style="text-align: center;">1</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td style="text-align: center;">No Impairment</td><td style="text-align: center;">5</td></tr> <tr><td><i>Road Approach Material</i></td><td style="text-align: center;">All Sand/Clay</td><td style="text-align: center;">3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td style="text-align: center;"><math>&lt;21 \text{ y}^3</math></td><td style="text-align: center;">5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td style="text-align: center;"><math>&lt;2\%</math></td><td style="text-align: center;">5</td></tr> <tr><td><i>Soil K Factor</i></td><td style="text-align: center;"><math>&lt;0.20</math></td><td style="text-align: center;">5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td style="text-align: center;">Bare Soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td style="text-align: center;">Bare Soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td style="text-align: center;">Vegetated</td><td style="text-align: center;">1</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td style="text-align: center;">Vegetated</td><td style="text-align: center;">1</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td style="text-align: center;">Bare Soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td style="text-align: center;">Bare Soil</td><td style="text-align: center;">0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td style="text-align: center;">Vegetated</td><td style="text-align: center;">1</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td style="text-align: center;">Vegetated</td><td style="text-align: center;">1</td></tr> <tr><td><i>Outlet Total</i></td><td style="text-align: center;">Unimproved Outlet System</td><td style="text-align: center;">1</td></tr> <tr><td><i>Ditches Total</i></td><td style="text-align: center;">Improved Drainage System</td><td style="text-align: center;">5</td></tr> <tr> <td><b>SRI Total</b></td><td style="text-align: center;"><b>Low Risk</b></td><td style="text-align: center;"><b>48</b></td></tr> </tbody> </table> | Risk Factor   | Ranking  | Score  | <i>US Channel Morph</i> | B | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | $<5^\circ$ | 5 | <i>Crossing fill condition</i> | Poor/Bare Soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | $<21 \text{ y}^3$ | 5 | <i>Approach Slope Mean</i> | $<2\%$ | 5 | <i>Soil K Factor</i> | $<0.20$ | 5 | <i>Upstream Rt Outlet</i> | Bare Soil | 0 | <i>Upstream Lt Outlet</i> | Bare Soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Bare Soil | 0 | <i>Downstream Lt Outlet</i> | Bare Soil | 0 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Unimproved Outlet System | 1 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor   | Ranking   | Score  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | B   | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C   | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL   | 3  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | $<5^\circ$  | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Poor/Bare Soil  | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | $<21 \text{ y}^3$   | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | $<2\%$  | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | $<0.20$   | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Bare Soil   | 0  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare Soil   | 0  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated   | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated   | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare Soil   | 0  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Bare Soil   | 0  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Vegetated   | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Vegetated   | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Unimproved Outlet System  | 1  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Improved Drainage System  | 5  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>   | <b>48</b>  |  |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 6, 8, 50<br><u>Lt Approach Prism Fill:</u> 0.25in<br><u>Rt Approach Prism Fill:</u> 0.25in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H.    | <b>Within Range</b><br>No<br>Yes<br>Yes<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>4-6 FOCAL SPECIES IN WETLAND AREAS<br>ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER<br>PUBLIC, SEMI-PUBLIC/ WETLAND FORESTED MIX<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |               |   |                            |            |   |                                |                |   |                               |               |   |                               |               |   |                                     |                   |   |                            |        |   |                      |         |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                          |   |                      |                          |   |                  |                 |           |   |  |

Notes: None

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| Unnamed tributary  | ok-0407-r-001   | Sedimentation Risk Index<br><b>48</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
|--|---|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|----------|---|---------------------------|----------|---|--------------------------|----------|---|--------------------------|----------|---|-----------------------------|-----------|---|-----------------------------|----------|---|----------------------------|-----------|---|----------------------------|----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|--|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 8.3mi SW of Crestview<br><u>Drainage:</u> Turkey Gobbler Creek <u>GPS:</u> 30.646942, -86.616639<br><u>Land owner:</u> US Government- Eglin AFB   | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-24-19<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> RR 215 Eglin AFB | <u>State:</u> Florida   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <br>Crossing Structure- US  | <br>US                              | <br>Google Earth |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Concrete</td> <td style="text-align: right;">0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td style="text-align: right;">1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td style="text-align: right;"><b>48</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> 12,13,25<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in</p> | Risk Factor   | Ranking   | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Concrete | 0 | <i>Upstream Lt Outlet</i> | Concrete | 0 | <i>Upstream Rt Ditch</i> | Concrete | 0 | <i>Upstream Lt Ditch</i> | Concrete | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Concrete | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Concrete | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>INSTITUTIONAL/HARDWOOD CONIFEROUS-MIXED</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | INSTITUTIONAL/HARDWOOD CONIFEROUS-MIXED | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking   | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | C   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | C   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | <5°   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Good/Vegetated  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | No Impairment   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Aggregate   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | >4%   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | <0.20   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Concrete  | 0   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Unimproved Drainage System  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>48</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| 303(d)   | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Wetland Species  | Yes   | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes   | INSTITUTIONAL/HARDWOOD CONIFEROUS-MIXED   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |          |   |                           |          |   |                          |          |   |                          |          |   |                             |           |   |                             |          |   |                            |           |   |                            |          |   |                     |                                  |   |                      |                            |   |                  |                 |           |  |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |   |                   |    |     |               |    |     |  |

Notes: Both approaches paved hilltop to hilltop

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| Unnamed tributary   | ok-0526-r-001  | Sedimentation Risk Index<br><b>48</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
|---|--|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|---|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 6.6mi W of Laurel Hill<br><u>Drainage:</u> Yellow River<br><u>Land owner:</u> Cennie Stokes  | <u>GPS:</u> 30.960997, -86.571319  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-23-05<br><u>Parcel No.:</u> 6<br><u>Road Name:</u> Yellow Baptist Church Rd |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <br>Crossing Structure: DS   | <br>DS |   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&gt;40 y³</td> <td>1</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&gt;4%</td> <td>1</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Improved Drainage System</td> <td>5</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>48</b></td> </tr> </tbody> </table> <p><b>Additional Site Features</b></p> <p><u>Crossing Type and Quantity:</u> Bridge, 1</p> <p><u>Crossing Materials:</u> Reinforced Concrete</p> <p><u>Soil Types:</u> 12,16,23,24,37,43,46,49,50</p> <p><u>Rt Approach Prism Fill:</u> 1.0in</p> <p><u>Lt Approach Prism Fill:</u> 1.0in</p> | Risk Factor  | Ranking   | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | >40 y³ | 1 | <i>Approach Slope Mean</i> | >4% | 1 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> | <br>Google | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>Yes</td> <td>1-3 FOCAL SPECIES IN UPLAND AREAS</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>ACREAGE NOT ZONED FOR AGRICULTURE / WETLAND FORESTED MIX</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 1-3 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | ACREAGE NOT ZONED FOR AGRICULTURE / WETLAND FORESTED MIX | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking  | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | C  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | C  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | >40 y³   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | >4%  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Improved Outlet System   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Improved Drainage System   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Feature   | Within Range   | Descriptive Field   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| 303(d)  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Wetland Species   | Yes  | 1-3 FOCAL SPECIES IN UPLAND AREAS   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Rare and Imperiled  | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes  | ACREAGE NOT ZONED FOR AGRICULTURE / WETLAND FORESTED MIX  |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Candidate Mussels   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |
| Sturgeon C.H.   | No   | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |   |         |              |                   |        |    |     |                 |     |                                   |                    |    |     |                 |     |  |                   |    |     |               |    |     |

Notes: None

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| Unnamed tributary   | ok-0526-r-010  | Sedimentation Risk Index<br><b>48</b>  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|---|--|--|-------|-------------------------|----|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|-----------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 3.4mi N of Blackman<br><u>Drainage:</u> Dry Branch<br><u>Land owner:</u> Donald & Janet Fugate   | <u>GPS:</u> 30.973309, -86.632652  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 5N-24-03-2770<br><u>Parcel No.:</u> 0000.0300<br><u>Road Name:</u> Bowen Rd |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|    |  |  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: DS  | DS   |  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>DA</td> <td>3</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>NATURAL</td> <td>5</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Native Soil</td> <td>1</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>0.21-0.40</td> <td>3</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>48</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score | <i>US Channel Morph</i> | DA | 3 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Native Soil | 1 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> |  |  |
| Risk Factor   | Ranking  | Score  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | DA   | 3  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | NATURAL  | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Native Soil  | 1  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | 0.21-0.40  | 3  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>48</b>  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Wood<br/> <u>Soil Types:</u> 39,43,52<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in       </p>   | <b>Feature</b>   | <b>Within Range</b>  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | 303(d)   | No   |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | Wetland Species  | No   |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | Rare and Imperiled   | Yes  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | Land Use/Cover   | AGRICULTURAL/WETLAND FORESTED MIX  |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | Candidate Mussels  | No   |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   | Sturgeon C.H.  | No   |       |                         |    |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |                 |   |                                     |        |   |                            |     |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |

Notes: None

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# Burnt Grocery Creek

sr-0223-r-001

Sedimentation Risk Index  
**48**

Common: 3mi SE of Harold  
Drainage: Yellow River  
Land owner: The Nature Conservancy

GPS: 30.626983, -86.846339

County: Santa Rosa  
PLSS(T-R-S): 2N-26-33  
Parcel No.: 1  
Road Name: Fisher Old Mill Rd

State: Florida



Crossing Structure: US



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | B                                  | 5         |
| <i>DS Channel Morph</i>             | B                                  | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                             | 1         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 7,18,33,34  
Rt Approach Prism Fill: 1.25in  
Lt Approach Prism Fill: 0.75in

| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | Yes          | 4-6 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | No           | N/A                                |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

Notes: DS Rt private residence, point source pollution potential.

| Unnamed tributary  | wa-0626-r-008   | Sedimentation Risk Index<br>48  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
|--|---|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-------|---|--------------------------------|--------------|---|-------------------------------|----------------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-----------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|--|---------|--------------|-------------------|--------|-----|----------------------|-----------------|----|-----|--------------------|----|-----|-----------------|-----|--|-------------------|----|-----|---------------|----|-----|--|
| <u>Common:</u> 6.4mi SE of Florala<br><u>Drainage:</u> Turkey Creek <u>GPS:</u> 30.926191, -86.270866<br><u>Land owner:</u> James & Elizabeth Hall- US, Cynthia Wise- DS   | <u>County:</u> Walton<br><u>PLSS(T-R-S):</u> 17-5N-20; 20-5N-20<br><u>Parcel No.:</u> 5;3<br><u>Road Name:</u> Pittman Rd | <u>State:</u> Florida   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
|   |   |   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Crossing Structure: US   | DS  |  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>5-30°</td> <td>3</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>0.21-0.40</td> <td>3</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Improved Drainage System</td> <td>5</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>48</b></td> </tr> </tbody> </table> | Risk Factor   | Ranking   | Score | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | 5-30° | 3 | <i>Crossing fill condition</i> | Fair/Rip Rap | 3 | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | 0.21-0.40 | 3 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>48</b> | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>Yes</td> <td>COLIFORMS, TURBIDITY</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>AGRICULTURAL/ WETLAND FORESTED MIX, CONIFEROUS PLANTATIONS</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | Yes | COLIFORMS, TURBIDITY | Wetland Species | No | N/A | Rare and Imperiled | No | N/A | Land Use/ Cover | Yes | AGRICULTURAL/ WETLAND FORESTED MIX, CONIFEROUS PLANTATIONS | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |  |
| Risk Factor  | Ranking   | Score   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>US Channel Morph</i>  | C   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>DS Channel Morph</i>  | C   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Skew Angle</i>   | 5-30°   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Road Approach Material</i>  | All Aggregate   | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Approach Slope Mean</i>   | 2.1-4%  | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Soil K Factor</i>   | 0.21-0.40   | 3   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Rt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Lt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Rt Ditch</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Upstream Lt Ditch</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Rt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Lt Outlet</i>  | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Rt Ditch</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Downstream Lt Ditch</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Outlet Total</i>  | Improved Outlet System  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <i>Ditches Total</i>   | Improved Drainage System  | 5   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <b>SRI Total</b>   | <b>Low Risk</b>   | <b>48</b>   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Feature  | Within Range  | Descriptive Field   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| 303(d)   | Yes   | COLIFORMS, TURBIDITY  |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Wetland Species  | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Rare and Imperiled   | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Land Use/ Cover  | Yes   | AGRICULTURAL/ WETLAND FORESTED MIX, CONIFEROUS PLANTATIONS                          |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Candidate Mussels  | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| Sturgeon C.H.  | No  | N/A   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert, 2<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 6,13,30<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.1in   |   |   |       |                         |   |   |                         |   |   |                           |               |   |                            |       |   |                                |              |   |                               |                      |   |                               |               |   |                                     |        |   |                            |        |   |                      |           |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |         |              |                   |        |     |                      |                 |    |     |                    |    |     |                 |     |  |                   |    |     |               |    |     |  |

Notes: Culverts placed too high US, DS leading to impoundment.

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# Gum Creek

wa-0714-r-003

Sedimentation Risk Index  
**48**

Common: 6.7mi NE of Mossy Head  
Drainage: Shoal River GPS: 30.784156, -86.213087  
Land owner: Arlene Victoria Engle Trustee

County: Walton  
PLSS(T-R-S): 3N-20-02  
Parcel No.: 7  
Road Name: Engles Rd



Crossing Structure: DS



US

| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | E                                  | 5         |
| <i>DS Channel Morph</i>             | E                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Poor/Bare soil                     | 1         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | 2.1-4%                             | 3         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Rip Rap                            | 1         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Rip Rap                            | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 15,31,35,48  
Rt Approach Prism Fill: 0.25in  
Lt Approach Prism Fill: 1.5in



| Feature            | Within Range | Descriptive Field                 |
|--------------------|--------------|-----------------------------------|
| 303(d)             | No           | N/A                               |
| Wetland Species    | No           | N/A                               |
| Rare and Imperiled | No           | N/A                               |
| Land Use/ Cover    | Yes          | N/A/<br>HARDWOOD CONIFEROUS-MIXED |
| Candidate Mussels  | No           | N/A                               |
| Sturgeon C.H.      | No           | N/A                               |

Notes: US RT and DS RT outlets are culverts.

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# Gum Creek

wa-0722-r-005

Sedimentation Risk Index  
**48**

Common: 8.2mi N of DeFuniak Springs  
Drainage: Shoal River      GPS: 30.843435, -86.112790  
Land owner: James & Hazel Rachels

County: Walton  
PLSS (T-R-S): 4N-19-14-20000  
Parcel No.: 1.00  
Road Name: Bartlett Rd



Crossing Structure: US



US

| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Native Soil            | 1         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                    | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                    | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>48</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Wood  
Soil Types: 15,20,69  
Rt Approach Prism Fill: 0.25  
Lt Approach Prism Fill: 0.05in



| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | AGRICULTURAL/<br>CONIFEROUS PLANTATIONS, HYDRIC<br>PINE FLATWOODS |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

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| Unnamed tributary  | co-0831-r-014  | Sedimentation Risk Index<br><b>50</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|--|--|---|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|---|-------------------|----|-------------------------------|----------------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|---------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|---------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 8.3mi SW of Opp<br><u>Drainage:</u> Indian Creek <u>GPS:</u> 31.190044, -86.345447<br><u>Land owner:</u> Rayonier Woodlands LLC -DS, Effie Harage LE -US  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 3N-17E-33/34<br><u>Parcel No.:</u> 1; 3<br><u>Road Name:</u> Coon Rd  | <u>State:</u> Alabama   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
|   |    | <b>US</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: US   |  |   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Fair/Rip Rap</td> <td>3</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>Sed Islands/Scouring</td> <td>3</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Rip Rap</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Rip Rap</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>50</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score        | <i>US Channel Morph</i> | E      | 5  | <i>DS Channel Morph</i> | E               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>  | Fair/Rip Rap      | 3  | <i>Inlet/Outlet Condition</i> | Sed Islands/Scouring | 3  | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Rip Rap | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Rip Rap | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>50</b> |  |  |
| Risk Factor  | Ranking  | Score   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>  | E  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>  | E  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>  | MINOR/PARTIAL  | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>   | <5°  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>   | Fair/Rip Rap   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>  | Sed Islands/Scouring   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>  | All Aggregate  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>  | <21 y³   | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>   | <2%  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>   | <0.20  | 5   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>  | Rip Rap  | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>  | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>  | Rip Rap  | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>  | Vegetated  | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>   | Vegetated  | 1   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>   | Bare soil  | 0   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>  | Partially Improved Outlet System   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>   | Partially Improved Drainage System   | 3   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>   | <b>Low Risk</b>  | <b>50</b>   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Bridge, 1<br/> <u>Crossing Materials:</u> Reinforced Concrete<br/> <u>Soil Types:</u> BoB,BoC,FoA,MBA<br/> <u>Rt Approach Prism Fill:</u> 0.1in<br/> <u>Lt Approach Prism Fill:</u> 0.01in       </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>Yes</td> <td>N/A/<br/>EAST GULF COASTAL PLAIN INTERIOR<br/>UPLAND LONGLEAF PINE WOODLAND-<br/>LOBLOLLY MODIFIER</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature   | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER | Candidate Mussels | No | N/A                           | Sturgeon C.H.        | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Feature  | Within Range   | Descriptive Field   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| 303(d)   | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Wetland Species  | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Rare and Imperiled   | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Land Use/ Cover  | Yes  | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Candidate Mussels  | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |
| Sturgeon C.H.  | No   | N/A   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |   |                   |    |                               |                      |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |         |   |                           |           |   |                          |           |   |                          |           |   |                             |         |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                                    |   |                  |                 |           |   |  |

Notes: Fence across US

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# Poley Creek

co-1102-r-007

Sedimentation Risk Index  
**50**

Common: 2.9mi SE of Five Points  
Drainage: Lightwood Knot GPS: 31.407671902,-86.273104606  
Land owner: Paul Langford Tr. 3- North, Faye Rowls & Jordan Langford -SE, B & K Grahm - SW

County: Covington  
PLSS (T-R-S): 5N-18E-17  
Parcel No.: 3.04,3, 3.01  
Road Name: Chalker Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                  | Score     |
|-------------------------------------|--------------------------|-----------|
| <i>US Channel Morph</i>             | C                        | 5         |
| <i>DS Channel Morph</i>             | C                        | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL            | 3         |
| <i>Upstream Skew Angle</i>          | <5°                      | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap             | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment            | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay            | 3         |
| <i>Potential Eroded Volume Mean</i> | >40 y³                   | 1         |
| <i>Approach Slope Mean</i>          | <2%                      | 5         |
| <i>Soil K Factor</i>                | <0.20                    | 5         |
| <i>Upstream Rt Outlet</i>           | Rip Rap                  | 1         |
| <i>Upstream Lt Outlet</i>           | Rip Rap                  | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                | 1         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                  | 1         |
| <i>Downstream Lt Outlet</i>         | Rip Rap                  | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System   | 5         |
| <i>Ditches Total</i>                | Improved Drainage System | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>          | <b>50</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Reinforced Concrete  
Soil Types: BgA,LuB,MBA,OrB,OrC,OrE,TrD  
Rt Approach Prism Fill: 0.10in  
Lt Approach Prism Fill: 0.25in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: None

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# Unnamed tributary

co-1103-r-001

Sedimentation Risk Index

**50**

Common: 1.4mi NE of Eoda  
Drainage: Good Springs      GPS: 31.383869544,-86.297141303  
Land owner: Austin & Robin Baley

County: Covington      State: Alabama  
PLSS (T-R-S): 5N-17E-24  
Parcel No.: 05  
Road Name: Meadows Rd



Crossing Structure: DS



US



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL                      | 3         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap                       | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay                      | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | <0.20                              | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                          | 1         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Lt Outlet</i>         | Bare soil                          | 0         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                          | 0         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>50</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert,1

Crossing Materials: Metal

Soil Types: LuB,MBA,OrC,TrD

Rt Approach Prism Fill: 0.25in

Lt Approach Prism Fill: 0.1in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A/<br>EAST GULF COASTAL PLAIN INTERIOR<br>UPLAND LONGLEAF PINE WOODLAND-<br>LOBLOLLY MODIFIER |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: Rip rap in stream bed creating partial fish passage barrier.

# Julian Mill Creek

sr-0223-r-002

Sedimentation Risk Index  
**50**

Common: 5.2mi E of Harold  
Drainage: Yellow River  
Land owner: Alma Crain

GPS: 30.661269, -86.794267

County: Santa Rosa  
PLSS(T-R-S): 2N-26-24  
Parcel No.: 1  
Road Name: Garner Landing

State: Florida



Crossing Structure: DS



US



| Feature            | Within Range | Descriptive Field                  |
|--------------------|--------------|------------------------------------|
| 303(d)             | No           | N/A                                |
| Wetland Species    | Yes          | 1-3 FOCAL SPECIES IN UPLAND AREAS  |
| Rare and Imperiled | No           | N/A                                |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                |
| Sturgeon C.H.      | No           | N/A                                |

## Additional Site Features

Crossing Type and Quantity: Culvert, 2  
Crossing Materials: Metal  
Soil Types: 14,21,22,34,40,44,46  
Rt Approach Prism Fill: 0.08in  
Lt Approach Prism Fill: 0.08in

Notes: DS Lt Outlet vegetated, but doing little for the large amounts of sediment. DS outfall drop.

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# Bee Branch

wa-0722-r-002

Sedimentation Risk Index  
**50**

Common: 8.2mi NE of Mossy Head  
Drainage: Big Swamp Creek  
Land owner: James Cecil Hall

GPS: 30.832996-86.229162

County: Walton  
PLSS(T-R-S): 4N-20-22-29000  
Parcel No.: 1.002  
Road Name: Old Dairy Rd

State: Florida



Crossing Structure: US



DS



| Risk Factor                         | Ranking                    | Score     |
|-------------------------------------|----------------------------|-----------|
| <i>US Channel Morph</i>             | DA                         | 3         |
| <i>DS Channel Morph</i>             | DA                         | 3         |
| <i>DS Bank Alteration</i>           | NATURAL                    | 5         |
| <i>Upstream Skew Angle</i>          | <5°                        | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated             | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment              | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay              | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                     | 5         |
| <i>Approach Slope Mean</i>          | <2%                        | 5         |
| <i>Soil K Factor</i>                | <0.20                      | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                  | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                  | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                  | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                  | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                  | 0         |
| <i>Downstream Lt Ditch</i>          | Bare soil                  | 0         |
| <i>Outlet Total</i>                 | Improved Outlet System     | 5         |
| <i>Ditches Total</i>                | Unimproved Drainage System | 1         |
| <b>SRI Total</b>                    | <b>Low Risk</b>            | <b>50</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: 3,13,14,15,31,32,61  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.75in

| Feature            | Within Range | Descriptive Field  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | No           | N/A  |
| Land Use/ Cover    | Yes          | PARCELS WITH NO VALUES/<br>MDC - LOW DENSITY, FIXED SINGLE<br>FAMILY UNITS |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Farm along both approaches.

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| Unnamed tributary   | wa-0722-r-007  | Sedimentation Risk Index<br><b>50</b> |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|---|--|---------------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|-----|------------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 11 mi N of DeFuniak Springs<br><u>Drainage:</u> Gum Creek<br><u>Land owner:</u> T.R. Miller Mill Co  | <u>County:</u> Walton<br><u>PLSS (T-R-S):</u> 04N-18-06-11000<br><u>Parcel No.:</u> 1.0<br><u>Road Name:</u> T.R. Miller Rd  | <u>State:</u> Florida                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
|    |    | DS                                    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: DS  |  |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>C</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>HIGH</td><td>1</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Improved Outlet System</td><td>5</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr> <td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>50</b></td></tr> </tbody> </table> | Risk Factor  | Ranking                               | Score        | <i>US Channel Morph</i> | C      | 5  | <i>DS Channel Morph</i> | C               | 5  | <i>DS Bank Alteration</i> | HIGH               | 1  | <i>Upstream Skew Angle</i> | <5°             | 5   | <i>Crossing fill condition</i>     | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>50</b> |  |  |
| Risk Factor   | Ranking  | Score                                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | C  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | HIGH   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>50</b>                             |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 10,11,13,22,23,35,39,69<br/> <u>Rt Approach Prism Fill:</u> 0.15in<br/> <u>Lt Approach Prism Fill:</u> 0.1in     </p>   | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>No</td><td>N/A</td></tr> <tr><td>Rare and Imperiled</td><td>No</td><td>N/A</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>AGRICULTURAL/HYDRIC PINE FLATWOODS</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature                               | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | Yes | AGRICULTURAL/HYDRIC PINE FLATWOODS | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Feature   | Within Range   | Descriptive Field                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| 303(d)  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Wetland Species   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Rare and Imperiled  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Land Use/ Cover   | Yes  | AGRICULTURAL/HYDRIC PINE FLATWOODS    |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Candidate Mussels   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |
| Sturgeon C.H.   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |     |                                    |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                            |   |                  |                 |           |   |  |

Notes: None

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| Indian Creek  |                                    | co-0831-r-012   | Sedimentation Risk Index<br>52 |
|---|------------------------------------|---|--------------------------------|
| <u>Common:</u> 6.9mi SW of Opp  | <u>Drainage:</u> Yellow River      | <u>GPS:</u> 31.212869, -86.340139   | <u>County:</u> Covington       |
| <u>Land owner:</u> Clidie Lee Harper LE-US, James & Barbara McCart-DS             |                                    |   | <u>State:</u> Alabama          |
|   |                                    | <u>PLSS (T-R-S):</u> 3N-17E-22  |                                |
|   |                                    | <u>Parcel No.:</u> 1; 6   |                                |
|   |                                    | <u>Road Name:</u> Henderson Bridge Rd   |                                |
|  |                                    |   |                                |
| Crossing Structure: DS  |                                    | US  |                                |
| <b>Risk Factor</b>  | <b>Ranking</b>                     | <b>Score</b>  |                                |
| <i>US Channel Morph</i>   | C                                  | 5   |                                |
| <i>DS Channel Morph</i>   | C                                  | 5   |                                |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL                      | 3   |                                |
| <i>Upstream Skew Angle</i>  | <5°                                | 5   |                                |
| <i>Crossing fill condition</i>  | Good/Vegetated                     | 5   |                                |
| <i>Inlet/Outlet Condition</i>   | No Impairment                      | 5   |                                |
| <i>Road Approach Material</i>   | All Sand/Clay                      | 3   |                                |
| <i>Potential Eroded Volume Mean</i>   | <21 y³                             | 5   |                                |
| <i>Approach Slope Mean</i>  | 2.1-4%                             | 3   |                                |
| <i>Soil K Factor</i>  | <0.20                              | 5   |                                |
| <i>Upstream Rt Outlet</i>   | Vegetated                          | 1   |                                |
| <i>Upstream Lt Outlet</i>   | Vegetated                          | 1   |                                |
| <i>Upstream Rt Ditch</i>  | Bare soil                          | 0   |                                |
| <i>Upstream Lt Ditch</i>  | Bare soil                          | 0   |                                |
| <i>Downstream Rt Outlet</i>   | Vegetated                          | 1   |                                |
| <i>Downstream Lt Outlet</i>   | Vegetated                          | 1   |                                |
| <i>Downstream Rt Ditch</i>  | Bare soil                          | 0   |                                |
| <i>Downstream Lt Ditch</i>  | Vegetated                          | 1   |                                |
| <i>Outlet Total</i>   | Improved Outlet System             | 5   |                                |
| <i>Ditches Total</i>  | Partially Improved Drainage System | 3   |                                |
| <b>SRI Total</b>  | <b>Low Risk</b>                    | <b>52</b>   |                                |
| <b>Additional Site Features</b>   |                                    |   |                                |
| <i>Crossing Type and Quantity:</i>  | Bridge, 1                          |   |                                |
| <i>Crossing Materials:</i>  | Reinforced Concrete                |   |                                |
| <i>Soil Types:</i>  | BnB,BnC,CdC,FoA,FuB,MBA,OrE        |   |                                |
| <i>Rt Approach Prism Fill:</i>  | 0.25in                             |   |                                |
| <i>Lt Approach Prism Fill:</i>  | 0.1in                              |   |                                |
|   |                                    |  |                                |
| <b>Feature</b>  | <b>Within Range</b>                | <b>Descriptive Field</b>  |                                |
| 303(d)  | No                                 | N/A   |                                |
| Wetland Species   | No                                 | N/A   |                                |
| Rare and Imperiled  | No                                 | N/A   |                                |
| Land Use/ Cover   | Yes                                | N/A/<br>PASTURE, HAY, SUCCESSIONAL<br>SHRUB, SCRUB (CLEAR CUT)                      |                                |
| Candidate Mussels   | No                                 | N/A   |                                |
| Sturgeon C.H.   | No                                 | N/A   |                                |

Notes: None

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| Unnamed tributary   | co-1103-r-016  | Sedimentation Risk Index<br>52                           |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
|---|--|--|---|-------------------------|---|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|--------|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 2.28 NE of Opp<br><u>Drainage:</u> Poley Creek <u>GPS:</u> 31.314453730,-86.245187458<br><u>Land owner:</u> Palmer & Mildred Ellis East, O.J. Spurlin Heirs West   | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 4N-18E-15/16<br><u>Parcel No.:</u> 11,8<br><u>Road Name:</u> Jones Rd     | <u>State:</u> Alabama                                    |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
|    |    |  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| Crossing Structure: DS  | DS   |  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>E</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>NATURAL</td> <td>5</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Aggregate</td> <td>5</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>2.1-4%</td> <td>3</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Partially Improved Outlet System</td> <td>3</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Unimproved Drainage System</td> <td>1</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>52</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking  | Score   | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Aggregate | 5 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | 2.1-4% | 3 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Bare soil | 0 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>52</b> |  |  |
| Risk Factor   | Ranking  | Score  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | E  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | E  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | NATURAL  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Aggregate  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | 2.1-4%   | 3  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Bare soil  | 0  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Partially Improved Outlet System   | 3  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Unimproved Drainage System   | 1  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>52</b>  |   |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Culvert,1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> BnC,CdB,CdC,MBA,OrB<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.1in   | <b>Feature</b><br>303(d)<br>Wetland Species<br>Rare and Imperiled<br>Land Use/ Cover<br>Candidate Mussels<br>Sturgeon C.H. | <b>Within Range</b><br>No<br>No<br>No<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>N/A<br>N/A<br>N/A/<br>SUCCESSIONAL SHRUB,<br>SCRUB (OTHER)<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |        |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |  |

Notes: None

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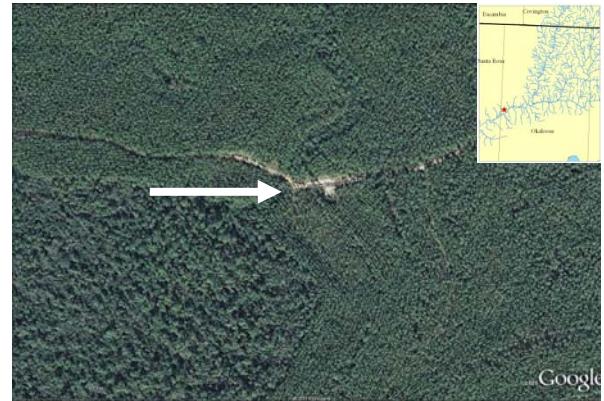
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| Unnamed tributary   | ok-0223-r-004  | Sedimentation Risk Index<br><b>52</b>                             |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
|---|--|---|--|-------------------------|---|---|-------------------------|---|---|---------------------------|---------------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|--|---|
| <u>Common:</u> 4.14mi SE of Holt<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.662569, -86.777975<br><u>Land owner:</u> The Nature Conservancy  | <u>County:</u> Okaloosa<br><u>PLSS(T-R-S):</u> 2N-25-19<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Yellow River Log Lake Rd  | <u>State:</u> Florida   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
|    |    | US  |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <b>Crossing Structure- DS</b>   |  |   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: right;">Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>C</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Poor/Bare Soil</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td style="text-align: right;">3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td style="text-align: right;">1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td style="text-align: right;">5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Improved Drainage System</td> <td style="text-align: right;">5</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td style="text-align: right;"><b>52</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking   | Score  | <i>US Channel Morph</i> | C | 5 | <i>DS Channel Morph</i> | C | 5 | <i>DS Bank Alteration</i> | MINOR/PARTIAL | 3 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Poor/Bare Soil | 1 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Vegetated | 1 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Improved Drainage System | 5 | <b>SRI Total</b> | <b>Low Risk</b> | <b>52</b> |  |  |
| Risk Factor   | Ranking  | Score   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>US Channel Morph</i>   | C  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>DS Channel Morph</i>   | C  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Upstream Skew Angle</i>  | <5°  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Crossing fill condition</i>  | Poor/Bare Soil   | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Approach Slope Mean</i>  | <2%  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Soil K Factor</i>  | <0.20  | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Outlet Total</i>   | Improved Outlet System   | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <i>Ditches Total</i>  | Improved Drainage System   | 5   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>52</b>   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <b>Additional Site Features</b>   |  |   |  |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |
| <u>Crossing Type and Quantity:</u> Culvert, 1<br><u>Crossing Materials:</u> Metal<br><u>Soil Types:</u> 6, 8, 50<br><u>Lt Approach Prism Fill:</u> N/A<br><u>Rt Approach Prism Fill:</u> 0.25in   | <u>Feature</u><br><b>303(d)</b><br><b>Wetland Species</b><br><b>Rare and Imperiled</b><br><b>Land Use/ Cover</b><br><b>Candidate Mussels</b><br><b>Sturgeon C.H.</b> | <u>Within Range</u><br>No<br>Yes<br>Yes<br>Yes<br>Yes<br>No<br>No | <b>Descriptive Field</b><br>N/A<br>1-3 FOCAL SPECIES IN UPLAND AREAS<br>ALABAMA SHAD, ALLIGATOR GAR,BLUENOSE SHINER, GULF STURGEON,SPECKLED CHUB, IRONCOLOR SHINER,SPOTTED BULLHEAD, SPECKLED DARTER<br>PUBLIC, SEMI-PUBLIC/WETLAND FORESTED MIX, CONIFEROUS PLANTATIONS<br>N/A<br>N/A |                         |   |   |                         |   |   |                           |               |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |  |   |

Notes: Left road approach is a negative slope, therefore not contributing to sedimentation and not calculated.

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| <b>Unnamed Tributary</b>  | <b>ok-0226-r-006</b>  | <b>Sedimentation Risk Index<br/>52</b>  |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
|---|---|---|-------|-------------------------|---|---|-------------------------|---|---|---------------------------|---------|---|----------------------------|-----|---|--------------------------------|----------------|---|-------------------------------|---------------|---|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|----------------------------------|---|----------------------|----------------------------|---|------------------|-----------------|-----------|---|---------|--------------|-------------------|--------|----|-----|-----------------|-----|-----------------------------------|--------------------|-----|---|-----------------|-----|---|-------------------|----|-----|---------------|----|-----|
| <u>Common:</u> 4.2mi SW of Crestview<br><u>Drainage:</u> Yellow River <u>GPS:</u> 30.665139, -86.761744<br><u>Land owner:</u> The Nature Conservancy  | <u>County:</u> Okaloosa<br><u>PLSS (T-R-S):</u> 20-2N-24<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Log Lake Rd | <u>State:</u> Florida   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
|    |                                 |    |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <b>Crossing Structure- DS</b>   |   | <b>US</b>   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk Factor</th> <th style="text-align: left;">Ranking</th> <th style="text-align: left;">Score</th> </tr> </thead> <tbody> <tr><td><i>US Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Channel Morph</i></td><td>E</td><td>5</td></tr> <tr><td><i>DS Bank Alteration</i></td><td>NATURAL</td><td>5</td></tr> <tr><td><i>Upstream Skew Angle</i></td><td>&lt;5°</td><td>5</td></tr> <tr><td><i>Crossing fill condition</i></td><td>Good/Vegetated</td><td>5</td></tr> <tr><td><i>Inlet/Outlet Condition</i></td><td>No Impairment</td><td>5</td></tr> <tr><td><i>Road Approach Material</i></td><td>All Sand/Clay</td><td>3</td></tr> <tr><td><i>Potential Eroded Volume Mean</i></td><td>&lt;21 y³</td><td>5</td></tr> <tr><td><i>Approach Slope Mean</i></td><td>&lt;2%</td><td>5</td></tr> <tr><td><i>Soil K Factor</i></td><td>&lt;0.20</td><td>5</td></tr> <tr><td><i>Upstream Rt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Lt Outlet</i></td><td>Vegetated</td><td>1</td></tr> <tr><td><i>Upstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Upstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Outlet</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Rt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Downstream Lt Ditch</i></td><td>Bare soil</td><td>0</td></tr> <tr><td><i>Outlet Total</i></td><td>Partially Improved Outlet System</td><td>3</td></tr> <tr><td><i>Ditches Total</i></td><td>Unimproved Drainage System</td><td>1</td></tr> <tr><td><b>SRI Total</b></td><td><b>Low Risk</b></td><td><b>52</b></td></tr> </tbody> </table> | Risk Factor   | Ranking   | Score | <i>US Channel Morph</i> | E | 5 | <i>DS Channel Morph</i> | E | 5 | <i>DS Bank Alteration</i> | NATURAL | 5 | <i>Upstream Skew Angle</i> | <5° | 5 | <i>Crossing fill condition</i> | Good/Vegetated | 5 | <i>Inlet/Outlet Condition</i> | No Impairment | 5 | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Bare soil | 0 | <i>Upstream Lt Ditch</i> | Bare soil | 0 | <i>Downstream Rt Outlet</i> | Bare soil | 0 | <i>Downstream Lt Outlet</i> | Bare soil | 0 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Bare soil | 0 | <i>Outlet Total</i> | Partially Improved Outlet System | 3 | <i>Ditches Total</i> | Unimproved Drainage System | 1 | <b>SRI Total</b> | <b>Low Risk</b> | <b>52</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr><td>303(d)</td><td>No</td><td>N/A</td></tr> <tr><td>Wetland Species</td><td>Yes</td><td>4-6 FOCAL SPECIES IN UPLAND AREAS</td></tr> <tr><td>Rare and Imperiled</td><td>Yes</td><td>ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER</td></tr> <tr><td>Land Use/ Cover</td><td>Yes</td><td>PUBLIC, SEMI-PUBLIC/ WETLAND FORESTED MIX</td></tr> <tr><td>Candidate Mussels</td><td>No</td><td>N/A</td></tr> <tr><td>Sturgeon C.H.</td><td>No</td><td>N/A</td></tr> </tbody> </table> | Feature | Within Range | Descriptive Field | 303(d) | No | N/A | Wetland Species | Yes | 4-6 FOCAL SPECIES IN UPLAND AREAS | Rare and Imperiled | Yes | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER | Land Use/ Cover | Yes | PUBLIC, SEMI-PUBLIC/ WETLAND FORESTED MIX | Candidate Mussels | No | N/A | Sturgeon C.H. | No | N/A |
| Risk Factor   | Ranking   | Score   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>US Channel Morph</i>   | E   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>DS Channel Morph</i>   | E   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>DS Bank Alteration</i>   | NATURAL   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Skew Angle</i>  | <5°   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Crossing fill condition</i>  | Good/Vegetated  | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Inlet/Outlet Condition</i>   | No Impairment   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Road Approach Material</i>   | All Sand/Clay   | 3   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Potential Eroded Volume Mean</i>   | <21 y³  | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Approach Slope Mean</i>  | <2%   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Soil K Factor</i>  | <0.20   | 5   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Outlet</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Outlet</i>   | Vegetated   | 1   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Rt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Upstream Lt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Outlet</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Outlet</i>   | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Rt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Downstream Lt Ditch</i>  | Bare soil   | 0   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Outlet Total</i>   | Partially Improved Outlet System  | 3   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <i>Ditches Total</i>  | Unimproved Drainage System  | 1   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <b>SRI Total</b>  | <b>Low Risk</b>   | <b>52</b>   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Feature   | Within Range  | Descriptive Field   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| 303(d)  | No  | N/A   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Wetland Species   | Yes   | 4-6 FOCAL SPECIES IN UPLAND AREAS   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Rare and Imperiled  | Yes   | ALABAMA SHAD, ALLIGATOR GAR, BLUENOSE SHINER, GULF STURGEON, SPECKLED CHUB, IRONCOLOR SHINER, SPOTTED BULLHEAD, SPECKLED DARTER |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Land Use/ Cover   | Yes   | PUBLIC, SEMI-PUBLIC/ WETLAND FORESTED MIX   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Candidate Mussels   | No  | N/A   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| Sturgeon C.H.   | No  | N/A   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> 43<br/> <u>Lt Approach Prism Fill:</u> 0.4in<br/> <u>Rt Approach Prism Fill:</u> 0.25in       </p>  |   |   |       |                         |   |   |                         |   |   |                           |         |   |                            |     |   |                                |                |   |                               |               |   |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                                  |   |                      |                            |   |                  |                 |           |   |         |              |                   |        |    |     |                 |     |                                   |                    |     |   |                 |     |   |                   |    |     |               |    |     |

Notes: Receives a lot of sediment when the road is graded. Culvert undersized.

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| Unnamed tributary   | co-0811-r-001  | Sedimentation Risk Index<br>54 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|---|--|--------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|------------------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 8.9mi NW of Florala<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.088983, -86.440317<br><u>Land owner:</u> William Hicks & Phyllis Hicks Moody-DS, Lora Smith - US   | <u>County:</u> Covington <u>State:</u> Alabama<br><u>PLSS (T-R-S):</u> 2N-16E-34/1N-16E-3<br><u>Parcel No.:</u> 8; 4.03<br><u>Road Name:</u> Yellow River Ranch Rd   |                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
|    |    |                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Crossing Structure: US  | DS   |                                |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <table border="1"> <thead> <tr> <th>Risk Factor</th> <th>Ranking</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td><i>US Channel Morph</i></td> <td>B</td> <td>5</td> </tr> <tr> <td><i>DS Channel Morph</i></td> <td>B</td> <td>5</td> </tr> <tr> <td><i>DS Bank Alteration</i></td> <td>MINOR/PARTIAL</td> <td>3</td> </tr> <tr> <td><i>Upstream Skew Angle</i></td> <td>&lt;5°</td> <td>5</td> </tr> <tr> <td><i>Crossing fill condition</i></td> <td>Good/Vegetated</td> <td>5</td> </tr> <tr> <td><i>Inlet/Outlet Condition</i></td> <td>No Impairment</td> <td>5</td> </tr> <tr> <td><i>Road Approach Material</i></td> <td>All Sand/Clay</td> <td>3</td> </tr> <tr> <td><i>Potential Eroded Volume Mean</i></td> <td>&lt;21 y³</td> <td>5</td> </tr> <tr> <td><i>Approach Slope Mean</i></td> <td>&lt;2%</td> <td>5</td> </tr> <tr> <td><i>Soil K Factor</i></td> <td>&lt;0.20</td> <td>5</td> </tr> <tr> <td><i>Upstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Rt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Upstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Lt Outlet</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Downstream Rt Ditch</i></td> <td>Bare soil</td> <td>0</td> </tr> <tr> <td><i>Downstream Lt Ditch</i></td> <td>Vegetated</td> <td>1</td> </tr> <tr> <td><i>Outlet Total</i></td> <td>Improved Outlet System</td> <td>5</td> </tr> <tr> <td><i>Ditches Total</i></td> <td>Partially Improved Drainage System</td> <td>3</td> </tr> <tr> <td><b>SRI Total</b></td> <td><b>Low Risk</b></td> <td><b>54</b></td> </tr> </tbody> </table> | Risk Factor  | Ranking                        | Score        | <i>US Channel Morph</i> | B      | 5  | <i>DS Channel Morph</i> | B               | 5  | <i>DS Bank Alteration</i> | MINOR/PARTIAL      | 3  | <i>Upstream Skew Angle</i> | <5°             | 5  | <i>Crossing fill condition</i> | Good/Vegetated    | 5  | <i>Inlet/Outlet Condition</i> | No Impairment | 5  | <i>Road Approach Material</i> | All Sand/Clay | 3 | <i>Potential Eroded Volume Mean</i> | <21 y³ | 5 | <i>Approach Slope Mean</i> | <2% | 5 | <i>Soil K Factor</i> | <0.20 | 5 | <i>Upstream Rt Outlet</i> | Vegetated | 1 | <i>Upstream Lt Outlet</i> | Vegetated | 1 | <i>Upstream Rt Ditch</i> | Vegetated | 1 | <i>Upstream Lt Ditch</i> | Vegetated | 1 | <i>Downstream Rt Outlet</i> | Vegetated | 1 | <i>Downstream Lt Outlet</i> | Vegetated | 1 | <i>Downstream Rt Ditch</i> | Bare soil | 0 | <i>Downstream Lt Ditch</i> | Vegetated | 1 | <i>Outlet Total</i> | Improved Outlet System | 5 | <i>Ditches Total</i> | Partially Improved Drainage System | 3 | <b>SRI Total</b> | <b>Low Risk</b> | <b>54</b> |  |  |
| Risk Factor   | Ranking  | Score                          |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | B  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | B  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | MINOR/PARTIAL  | 3                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Good/Vegetated   | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Bare soil  | 0                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Partially Improved Drainage System   | 3                              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>54</b>                      |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| <b>Additional Site Features</b><br><u>Crossing Type and Quantity:</u> Bridge, 1<br><u>Crossing Materials:</u> Wood<br><u>Soil Types:</u> BoC,CdC,DmB,FoA,FuB,MBA,TrB<br><u>Rt Approach Prism Fill:</u> 0.1in<br><u>Lt Approach Prism Fill:</u> 0.1in  | <table border="1"> <thead> <tr> <th>Feature</th> <th>Within Range</th> <th>Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                        | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Feature   | Within Range   | Descriptive Field              |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| 303(d)  | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Wetland Species   | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Rare and Imperiled  | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Land Use/ Cover   | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Candidate Mussels   | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |
| Sturgeon C.H.   | No   | N/A                            |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                                    |   |                  |                 |           |   |  |

Notes: None

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## Unnamed tributary

co-1103-r-012

Sedimentation Risk Index  
**54**

Common: 1.8mi SE of Friendship  
Drainage: Poley Creek GPS: 31.379322157,-86.195769575  
Land owner: Kayron Laska North, Lucille & Kayron McMinn South

County: Covington  
PLSS (T-R-S): 5N-18E-24/25  
Parcel No.: 1,2  
Road Name: CR 397

State: Alabama



Crossing Structure: DS



DS



| Risk Factor                         | Ranking                            | Score     |
|-------------------------------------|------------------------------------|-----------|
| <i>US Channel Morph</i>             | C                                  | 5         |
| <i>DS Channel Morph</i>             | C                                  | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                            | 5         |
| <i>Upstream Skew Angle</i>          | <5°                                | 5         |
| <i>Crossing fill condition</i>      | Good/Vegetated                     | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment                      | 5         |
| <i>Road Approach Material</i>       | All Aggregate                      | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                             | 5         |
| <i>Approach Slope Mean</i>          | <2%                                | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                          | 3         |
| <i>Upstream Rt Outlet</i>           | Bare soil                          | 0         |
| <i>Upstream Lt Outlet</i>           | Vegetated                          | 1         |
| <i>Upstream Rt Ditch</i>            | Bare soil                          | 0         |
| <i>Upstream Lt Ditch</i>            | Bare soil                          | 0         |
| <i>Downstream Rt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                          | 1         |
| <i>Downstream Rt Ditch</i>          | Bare soil                          | 0         |
| <i>Downstream Lt Ditch</i>          | Vegetated                          | 1         |
| <i>Outlet Total</i>                 | Partially Improved Outlet System   | 3         |
| <i>Ditches Total</i>                | Partially Improved Drainage System | 3         |
| <b>SRI Total</b>                    | <b>Low Risk</b>                    | <b>54</b> |

#### Additional Site Features

Crossing Type and Quantity: Bridge,1  
Crossing Materials: Wood  
Soil Types: 2,18,22  
Rt Approach Prism Fill: 0.15in  
Lt Approach Prism Fill: 1.00in

| Feature            | Within Range | Descriptive Field   |
|--------------------|--------------|---|
| 303(d)             | No           | N/A   |
| Wetland Species    | No           | N/A   |
| Rare and Imperiled | No           | N/A   |
| Land Use/ Cover    | Yes          | N/A<br>PASTURE, HAY, EAST GULF COASTAL PLAIN SMALL STREAM AND RIVER FLOODPLAIN FOREST |
| Candidate Mussels  | No           | N/A   |
| Sturgeon C.H.      | No           | N/A   |

Notes: None

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# Big Horse Creek

ok-0526-r-004

Sedimentation Risk Index  
**54**

Common: 2.7mi NE of Blackman  
Drainage: Yellow River      GPS: 30.955489, -86.608581  
Land owner: Blackwater River State Forest

County: Okaloosa  
PLSS(T-R-S): 5N-24-02  
Parcel No.: 8  
Road Name: Creston Barrow Rd

State: Florida



Crossing Structure: DS



DS

| Risk Factor                         | Ranking                  | Score     |
|-------------------------------------|--------------------------|-----------|
| <i>US Channel Morph</i>             | B                        | 5         |
| <i>DS Channel Morph</i>             | B                        | 5         |
| <i>DS Bank Alteration</i>           | NATURAL                  | 5         |
| <i>Upstream Skew Angle</i>          | <5°                      | 5         |
| <i>Crossing fill condition</i>      | Fair/Rip Rap             | 3         |
| <i>Inlet/Outlet Condition</i>       | No Impairment            | 5         |
| <i>Road Approach Material</i>       | All Sand/Clay            | 3         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                   | 5         |
| <i>Approach Slope Mean</i>          | <2%                      | 5         |
| <i>Soil K Factor</i>                | 0.21-0.40                | 3         |
| <i>Upstream Rt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Rt Ditch</i>            | Rip Rap                  | 1         |
| <i>Upstream Lt Ditch</i>            | Rip Rap                  | 1         |
| <i>Downstream Rt Outlet</i>         | Rip Rap                  | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Rt Ditch</i>          | Rip Rap                  | 1         |
| <i>Downstream Lt Ditch</i>          | Rip Rap                  | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System   | 5         |
| <i>Ditches Total</i>                | Improved Drainage System | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>          | <b>54</b> |

## Additional Site Features

Crossing Type and Quantity: Bridge, 1  
Crossing Materials: Reinforced Concrete  
Soil Types: 12,13,16,20,23,24,36,39,43,52  
Rt Approach Prism Fill: 0.5in  
Lt Approach Prism Fill: 0.75in



| Feature            | Within Range | Descriptive Field                        |
|--------------------|--------------|--|
| 303(d)             | No           | N/A                                      |
| Wetland Species    | No           | N/A                                      |
| Rare and Imperiled | Yes          | BLACKTIP SHINER, IRONCOLOR SHINER        |
| Land Use/ Cover    | Yes          | PUBLIC/SEMI-PUBLIC/ WETLAND FORESTED MIX |
| Candidate Mussels  | No           | N/A                                      |
| Sturgeon C.H.      | No           | N/A                                      |

Notes: None

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| Unnamed tributary   | co-0901-r-019  | Sedimentation Risk Index<br><b>56</b> |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
|---|--|---------------------------------------|--------------|-------------------------|--------|----|-------------------------|-----------------|----|---------------------------|--------------------|----|----------------------------|-----------------|----|--------------------------------|-------------------|----|-------------------------------|---------------|----|-------------------------------|---------------|---|-------------------------------------|--------|---|----------------------------|-----|---|----------------------|-------|---|---------------------------|-----------|---|---------------------------|-----------|---|--------------------------|-----------|---|--------------------------|-----------|---|-----------------------------|-----------|---|-----------------------------|-----------|---|----------------------------|-----------|---|----------------------------|-----------|---|---------------------|------------------------|---|----------------------|--------------------------|---|------------------|-----------------|-----------|---|--|
| <u>Common:</u> 10.4mi NW of Florala<br><u>Drainage:</u> Yellow River <u>GPS:</u> 31.141652044, -86.378701811<br><u>Land owner:</u> T. Ivey Powell & Sons Inc  | <u>County:</u> Covington<br><u>PLSS (T-R-S):</u> 2N-17E-7<br><u>Parcel No.:</u> 1<br><u>Road Name:</u> Cravey Bridge Rd  |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <br>Crossing Structure: DS   | <br>US   |                                       |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
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| Risk Factor   | Ranking  | Score                                 |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>US Channel Morph</i>   | C  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Channel Morph</i>   | C  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>DS Bank Alteration</i>   | NATURAL  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Skew Angle</i>  | <5°  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Crossing fill condition</i>  | Fair/Rip Rap   | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Inlet/Outlet Condition</i>   | No Impairment  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Road Approach Material</i>   | All Sand/Clay  | 3                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Potential Eroded Volume Mean</i>   | <21 y³   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Approach Slope Mean</i>  | <2%  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Soil K Factor</i>  | <0.20  | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Rt Ditch</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Upstream Lt Ditch</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Outlet</i>   | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Rt Ditch</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Downstream Lt Ditch</i>  | Vegetated  | 1                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Outlet Total</i>   | Improved Outlet System   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <i>Ditches Total</i>  | Improved Drainage System   | 5                                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <b>SRI Total</b>  | <b>Low Risk</b>  | <b>56</b>                             |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| <b>Additional Site Features</b> <p> <u>Crossing Type and Quantity:</u> Culvert, 1<br/> <u>Crossing Materials:</u> Metal<br/> <u>Soil Types:</u> BoB,BoC,FoA,RaA<br/> <u>Rt Approach Prism Fill:</u> 0.25in<br/> <u>Lt Approach Prism Fill:</u> 0.25in         </p>  | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Feature</th> <th style="text-align: left;">Within Range</th> <th style="text-align: left;">Descriptive Field</th> </tr> </thead> <tbody> <tr> <td>303(d)</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Wetland Species</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Rare and Imperiled</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Land Use/ Cover</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Candidate Mussels</td> <td>No</td> <td>N/A</td> </tr> <tr> <td>Sturgeon C.H.</td> <td>No</td> <td>N/A</td> </tr> </tbody> </table> | Feature                               | Within Range | Descriptive Field       | 303(d) | No | N/A                     | Wetland Species | No | N/A                       | Rare and Imperiled | No | N/A                        | Land Use/ Cover | No | N/A                            | Candidate Mussels | No | N/A                           | Sturgeon C.H. | No | N/A                           |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Feature   | Within Range   | Descriptive Field                     |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| 303(d)  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Wetland Species   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Rare and Imperiled  | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Land Use/ Cover   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Candidate Mussels   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |
| Sturgeon C.H.   | No   | N/A                                   |              |                         |        |    |                         |                 |    |                           |                    |    |                            |                 |    |                                |                   |    |                               |               |    |                               |               |   |                                     |        |   |                            |     |   |                      |       |   |                           |           |   |                           |           |   |                          |           |   |                          |           |   |                             |           |   |                             |           |   |                            |           |   |                            |           |   |                     |                        |   |                      |                          |   |                  |                 |           |   |  |

Notes: Rip rap in stream bed. Close proximity to YR main stem.

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# Unnamed tributary

wa-0710-r-001

Sedimentation Risk Index  
**56**

Common: 4.8mi NW of Mossy Head  
Drainage: Shoal River GPS: 30.783340, -86.381786  
Land owner: William P. Corley-DS, James & Patricia Mixon-US

County: Walton State: Florida  
PLSS(T-R-S): 3N-21-06  
Parcel No.: 11; 14  
Road Name: W.T. Hulion Rd



Crossing Structure: US



US



| Risk Factor                         | Ranking                  | Score     |
|-------------------------------------|--------------------------|-----------|
| <i>US Channel Morph</i>             | C                        | 5         |
| <i>DS Channel Morph</i>             | C                        | 5         |
| <i>DS Bank Alteration</i>           | MINOR/PARTIAL            | 3         |
| <i>Upstream Skew Angle</i>          | 5-30°                    | 3         |
| <i>Crossing fill condition</i>      | Good/Vegetated           | 5         |
| <i>Inlet/Outlet Condition</i>       | No Impairment            | 5         |
| <i>Road Approach Material</i>       | All Aggregate            | 5         |
| <i>Potential Eroded Volume Mean</i> | <21 y³                   | 5         |
| <i>Approach Slope Mean</i>          | <2%                      | 5         |
| <i>Soil K Factor</i>                | <0.20                    | 5         |
| <i>Upstream Rt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Lt Outlet</i>           | Vegetated                | 1         |
| <i>Upstream Rt Ditch</i>            | Vegetated                | 1         |
| <i>Upstream Lt Ditch</i>            | Vegetated                | 1         |
| <i>Downstream Rt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Lt Outlet</i>         | Vegetated                | 1         |
| <i>Downstream Rt Ditch</i>          | Vegetated                | 1         |
| <i>Downstream Lt Ditch</i>          | Vegetated                | 1         |
| <i>Outlet Total</i>                 | Improved Outlet System   | 5         |
| <i>Ditches Total</i>                | Improved Drainage System | 5         |
| <b>SRI Total</b>                    | <b>Low Risk</b>          | <b>56</b> |

## Additional Site Features

Crossing Type and Quantity: Culvert, 1  
Crossing Materials: Metal  
Soil Types: 15,35,48  
Rt Approach Prism Fill: 0.05in  
Lt Approach Prism Fill: 0.5in

| Feature            | Within Range | Descriptive Field                                  |
|--------------------|--------------|--|
| 303(d)             | No           | N/A  |
| Wetland Species    | No           | N/A  |
| Rare and Imperiled | Yes          | SPECKLED CHUB, IRONCOLOR SHINER, GOLDSTRIPE DARTER |
| Land Use/ Cover    | Yes          | AGRICULTURAL/ WETLAND FORESTED MIX                 |
| Candidate Mussels  | No           | N/A  |
| Sturgeon C.H.      | No           | N/A  |

Notes: Rt approach paved.

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**DRIPTING ROCK STABILIZATION  
PROJECT  
RESTORATION PLAN  
SCOPE OF WORK**

**YELLOW RIVER  
COVINGTON COUNTY, ALABAMA  
JUNE 2011**



**COOPERATING ENTITIES:**

**THE NATURE CONSERVANCY**

**FLORIDA FISH AND WILDLIFE CONSERVATION  
COMMISSION**

**PRIVATE LANDOWNERS**

**PROJECT PROPOSAL**

The U.S. Fish and Wildlife Service (USFWS), in cooperation with The Nature Conservancy (TNC), the Florida Fish and Wildlife Conservation Commission (FWCC), U.S. Department of Defense (DoD), and private landowners propose to restore the Dripping Rock site on the Yellow River, Covington County, Alabama by reshaping streambank habitat, planting native vegetation, installing permanent gates, and re-contour floodplain terrace to reduce and eliminate sedimentation. The USFWS, along with FWCC, TNC, DoD, and the private landowners will be funding components of this

project to benefit threatened Gulf sturgeon spawning habitat, migratory fish species, and restore floodplain wetland plant communities.

## **BACKGROUND**

Habitat degradation is a primary factor in the decline of biodiversity in aquatic ecosystems in the southeastern U.S. Riverine and riparian restoration are often necessary to conserve and restore natural function, connectivity, and biodiversity of rivers affected by habitat degradation. The Yellow River (Pensacola Bay Drainage) is a large, blackwater river which flows through forested and agricultural lands in Alabama and Florida. While the Yellow River is noted for relatively high fish and mollusk biodiversity, its watershed is currently being impacted by a variety of nonpoint sources of pollution, notably sedimentation resulting from river bank instability. This excessive sedimentation causes habitat smothering, loss of in-stream habitat, and ultimately large-scale degradation of river ecology and function.

The Gulf sturgeon (*Acipenser oxyrinchus desotoi*) is a federally threatened species indigenous to Gulf of Mexico river drainages, including the Yellow River. The Yellow River, downstream from Alabama State Highway 55, is designated as critical habitat for Gulf sturgeon. The USFWS identified five potential spawning sites on the Yellow River that possess the features – limestone outcroppings, cobble, and gravel – which are essential for successful sturgeon spawning. The “Dripping Rock” site was identified as having the best potential spawning habitat of the five sites and was the only one from which sturgeon eggs have been documented (Figures 1, 2, and 3).

However, this location has substantial public use along its banks adjacent to this spawning area. This has resulted in denuded river banks which are known to slough substantial amounts of sediment to the Gulf sturgeon spawning area during rain events and high river flow periods. This has resulted in reduced water quality and significant bank erosion (Figure 4) at this site, and is believed to smother and otherwise degrade the natural bedrock and gravel spawning substrate needed by Gulf sturgeon for population recovery in this river. The USFWS Gulf Sturgeon Recovery/Management Plan (1995) identifies habitat degradation, including degradation and loss of spawning habitat, as a significant contributor to the decline of this species and responsible for its listing under the Endangered Species Act. The plan also recommends habitat restoration to reduce these impacts for long-term recovery of Gulf sturgeon populations in affected systems.

## **PROBLEM**

This location, known locally as “Dripping Rock”, is located on the western bank of the Yellow River approximately two miles downriver of Alabama State Highway 55, in Covington County, AL (FDEP 2002). Dripping Rock is characterized by a denuded riverbank and an unpaved road which terminates at the site and is directly adjacent to one of five potential Gulf sturgeon spawning sites and is the only site from which sturgeon eggs have been documented in the Yellow River (USFWS 2001). The “Dripping Rock”

site also has substantial public use along its banks adjacent to this spawning area. This site is accessed by the unpaved road, in which persons trespass over private property to reach the river, and vandalism is common. Destruction of the riverbank by trespassers apparently facilitates large amounts of sediment from the unpaved road to enter the river and is believed to smother and otherwise degrade the natural bedrock and gravel spawning substrate needed by Gulf sturgeon in the Yellow River (FDEP 2002).

The “Dripping Rock” locality was assessed during Phase 1 of the “Inventory and Prioritization of Impaired Sites in the Yellow River Watershed in Florida” (FWC Agreement Number 08232). This location (site number co-0610-001) was identified as an area of substantial impairment that affected several biological and habitat resources in the Yellow River, including Gulf sturgeon as described above. Because the limestone hard-bottom which characterizes this site is rare in the basin, the USFWS also believe that this is a potential locality for at least one of the five mussels which are currently candidates for protection under the Endangered Species Act. Although located in Alabama, the factors degrading this site (e.g., sedimentation for an unpaved road) directly affect the quality of softwater streams in Florida located directly downriver from the site and biological resources of Florida freshwaters such as the Gulf sturgeon and species designated as Species of Greatest Conservation Need such as Alabama shad (*Alosa alabamae*), which are similarly affected by this habitat degradation (FWC 2005). Sedimentation originating from the unpaved road and denuded riverbank is considered a “High ranking Sources of Stress” to softwater streams, categorized under the heading “roads” in the CWCS (FWC 2005). The State of Florida has previously identified this location as impacting Florida resources and recommend restoration at this site (FDEP 2002). In addition, the State of Florida has identified this drainage in both Alabama and Florida as an important conservation unit for Gulf sturgeon and recommend habitat restoration for long-term recovery and conservation of its stocks (Wakeford 2001). The cost of restoring this site is relatively low in comparison to similar river restoration actions. In total, restoration of the “Dripping Rock” will directly improve several high-priority Florida habitat and biological resources at a relatively low cost.

## **RESTORATION PLAN DESCRIPTION AND BUDGET**

We will restore the riverbank as well as the unpaved road leading to the riverbank at Dripping Rock using standard river corridor restoration techniques which have been employed successfully elsewhere in the Yellow River and nearby river drainages (NRCS 2001, USFWS 2005). Generally, we will fill, grade, stabilize, and revegetate the road and river corridor at the site. In addition, we will install a main enclosure gate and a secondary gate to prevent illegal trespassing at the site and ensure long-term stabilization and recovery.

We propose the physical modification of the unpaved road, right floodplain, and streambank on the Yellow River at the Dripping Rock Site (see Appendix 1 for Engineering Design). This includes constructing a contoured terrace within the floodplain and streambank to stabilize slope habitat and plant with native vegetation. Specifically, we propose to (1) stabilize the length of the impacted streambank and

floodplain using natural fiber erosion control cloth, (2) provide native shrub and tree material planting along the stream corridor for future stabilization and habitat recovery, (3) seed all exposed areas with annual and perennial plants, and (4) install heavy duty gate at main entrance and secondary gate mid-way to minimize vehicular traffic. An itemized list with total quantities needed for the restoration is located in Table 1, including erosion control fabric for short-term sediment/bank stabilization; stakes for setting the erosion control fabric; trees, shrubs, herbaceous plants, and temporary seed for revegetation and long-term sediment/bank stabilization, and fill dirt for assuring necessary grade; and substrate for long-term revegetation and site stabilization. All plantings and material for this project will follow guidelines outlined and recommended in Appendix 2.

Table1. Itemized list of materials and cost needed for the Dripping Rock Site, Yellow River, AL.

| Item   | Quantity  | Unit Price | Total Cost   |
|--|-----------|------------|--------------|
| Main Gate-4" steel tube gates(installed)                       | 2         | 1550.00    | 3100.00      |
| 4" steel post road barricade(installed)                        | 15        | 250.00     | 3750.00      |
| Secondary Gate   | 2         | 425.00     | 850.00       |
| Seeding (browntop, lime fertilizer, Bahia, mulch and planting) | 2 acres   | 1650.00    | 3300.00      |
| Fill Dirt  | 300 cuYDS | 7.00       | 2100.00      |
| Topsoil  | 50 cuYDS  | 10.00      | 500.00       |
| Mobilization and Demobilization                                | job       | 1500.00    | 1500.00      |
| Tree Planting  | 175       | 7.00       | 1225.00      |
| Shaping, filling and Smoothing (berm and flood plain)          | Job       | 3600.00    | 3600.00      |
| Total  |           |            | \$ 19,925.00 |

## PROJECT OBJECTIVES

The objectives of this project are to (1) reshape the right streambank at the Yellow River to create a stable slope and minimize sedimentation, (2) replant riparian vegetation to restore the natural floodplain ecosystem along the Yellow River, (3) isolate the reach from degradation caused by vehicles, and (4) provide stream corridor habitat necessary for long-term (+10 years) recovery of the natural riparian vegetation community of this stream system.

## **EXPECTED BENEFITS**

Benefits of restoring Dripping Rock Site include: (1) recovery of in-stream habitat for spawning Gulf sturgeon; (2) recovery of native aquatic biota typical to Yellow River stream ecosystems, such as flow-dependent fish and macroinvertebrate species; (3) restoration of natural in-stream water quality and sediment dynamics, which influence the aquatic preserve as described above; (4) increased resilience of aquatic species' populations to population fluctuations; (5) restoration of stream corridor habitat for long-term recovery of the natural riparian vegetation community of this stream system; (6) aesthetic improvement of habitat from degraded to recovered condition; and (7) improvement to condition and management of public resources.

## **SCHEDULE**

We will restore the riverbank as well as the unpaved road leading to the riverbank at "Dripping Rock" from June – July 2011.

## **CONTACTS**

For further information contact Chris Metcalf, FWS (850) 769-0552 x224 or Steve Herrington, TNC (850) 381-1147.

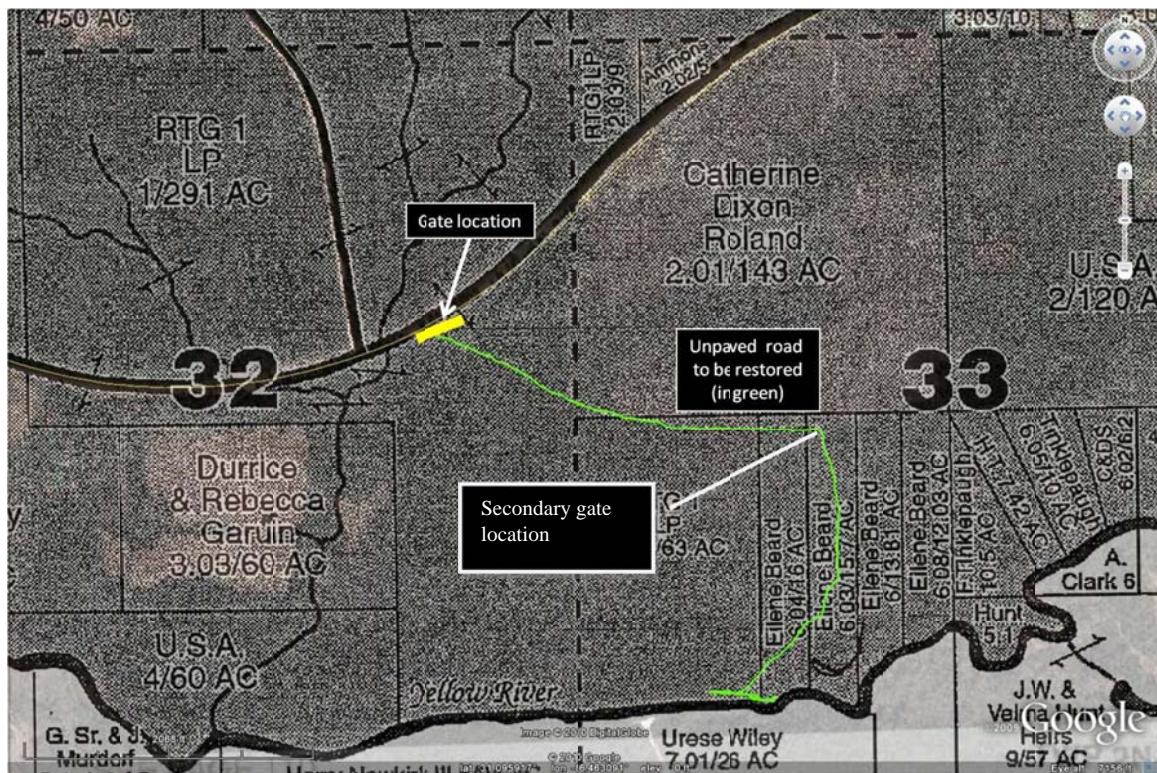


Figure 1. Location of Restoration at “Dripping Rock” site on the Yellow River.

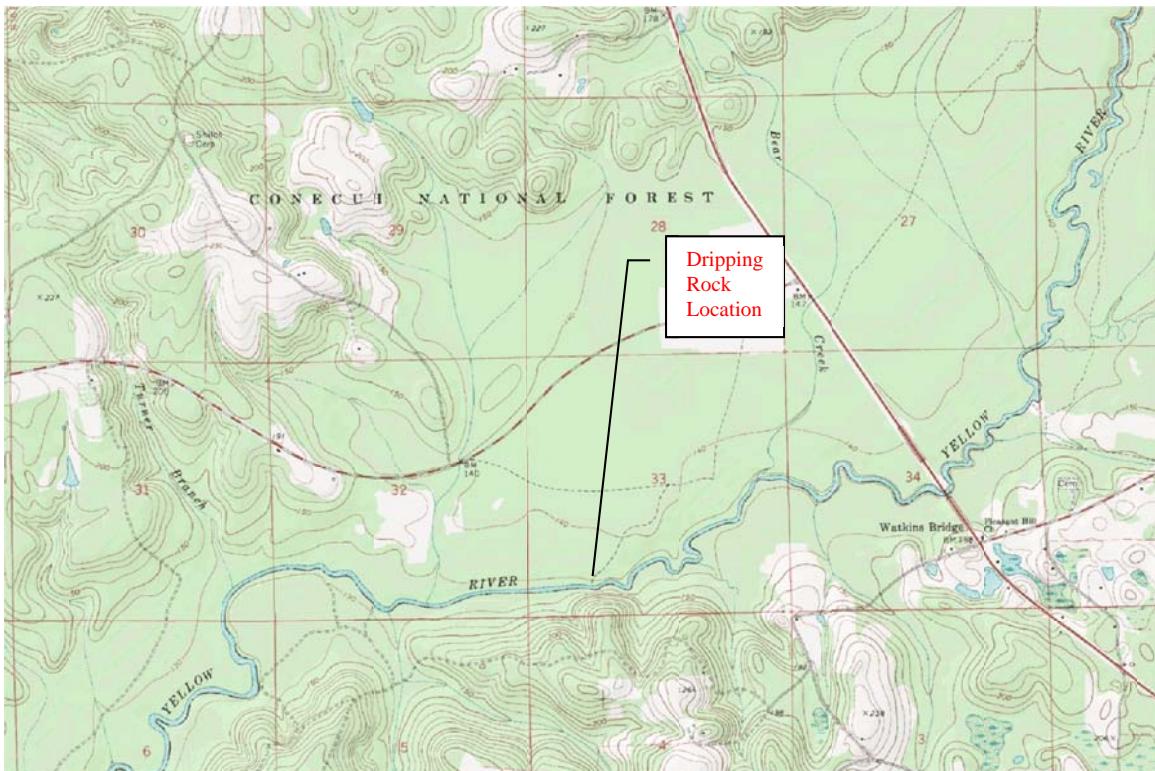
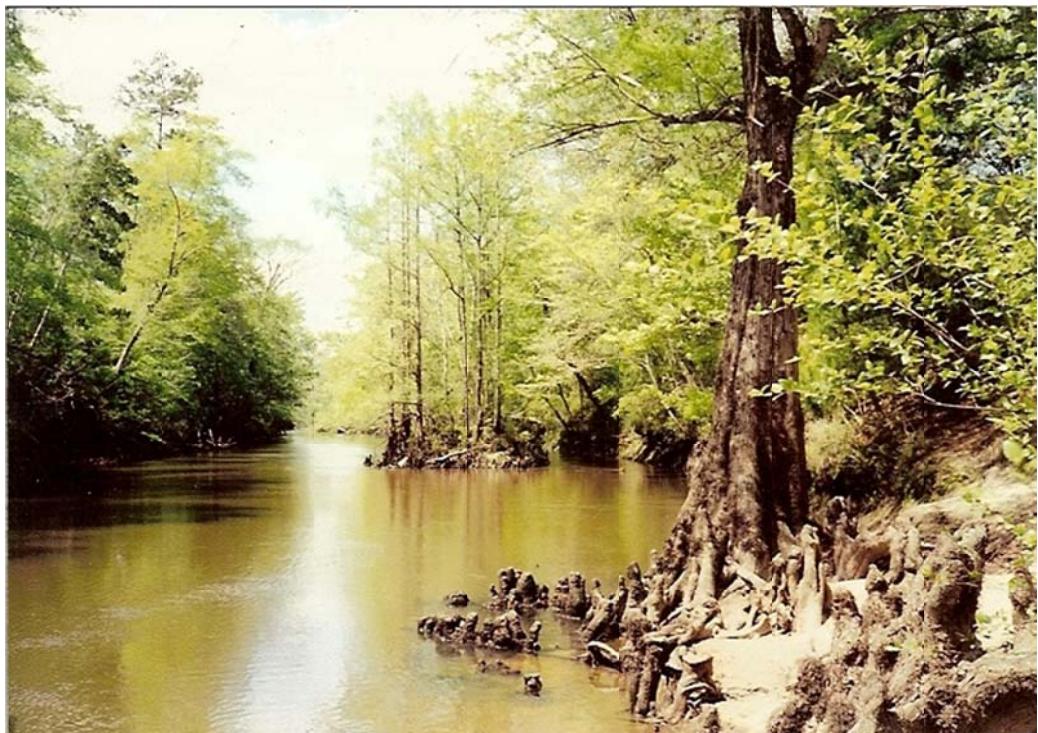


Figure 2. Topographic location of the “Dripping Rock” site on the Yellow River.



**Figure 3. Existing conditions of the Dripping Rock site on the Yellow River.**



**Figure 4. Erosional site discharging into the Dripping Rock site, Yellow River.**



**Figure 5.** Eroding unpaved road discharging into the Dripping Rock site, Yellow River.



**Figure 6.** Local impacts on Gulf sturgeon spawning habitat at the Dripping Rock site, Yellow River.

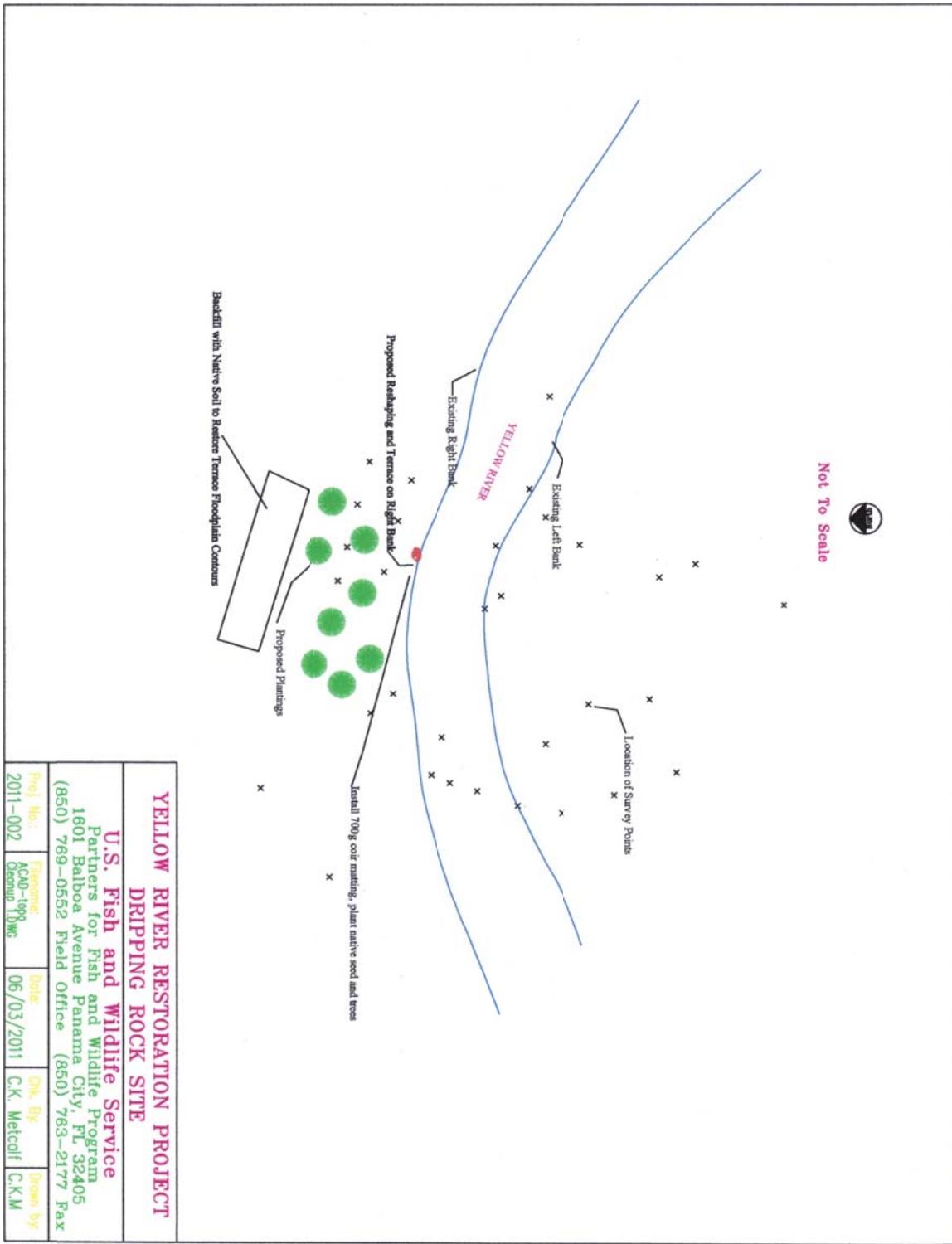
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## Appendix 1

### Engineering Drawings



## **Appendix 2**

### **Plant Material and Erosion Control Recommendations for Restoration of Coastal Plain Streams**

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Partners for Fish and Wildlife Program  
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The U.S. Fish and Wildlife Service, through the Partners for Fish and Wildlife Program, is actively conducting stream restoration projects within the Northeast Gulf Ecosystem portions of Florida, Alabama and Georgia. As part of the restoration process, plant materials and erosion control is needed to provide stabilization of streambanks and floodplain areas. We recommend using the following materials for restoration. For best plant material recommendations, identify existing plant species at reference locations.

#### **Herbaceous Seed Material:**

Temporary and permanent seed should be broadcast on all exposed soils upon completion of each project. The following seed mixes are recommended to use at various zones along the streambank, riparian and upland areas. On average, about 10 lbs/acre should be applied on bare soil.

#### **Wet Condition Seed Mix (apply to streambank)**

Virginia Wild Rye – 20%  
Big Bluestem – 20%  
Eastern Gama Grass – 30%  
Switch Grass – 10%  
Partridge Pea – 20%  
Redtop grass (*Agrostis stolonifera*) can also be used in addition to the above seed mix.

#### **Semi Dry Conditions Seed Mix (apply to upper streambanks and floodplain areas)**

Big Bluestem – 20%  
Little Bluestem – 15%  
Blackeyed Susan – 15%  
Indian Grass – 20%  
Virginia Wild Rye – 10%  
Switch Grass – 5%  
Showy Partridge Pea – 5%

### **Dry Conditions Mix (apply to upland/dry areas)**

A combination of these seeds should add up to 100%. These species can also be added into the Semi-Dry mix. Florida ecotype seed is preferred.

Bitter panicgrass (*Panicum amarum*)  
Needleleaf witchgrass (*Dichanthelium aciculare*)  
Black-eyed susan (*Rudbeckia hirta*)  
Common trumpetcreeper (*Campsis radicans*)  
American beautyberry (*Callicarpa americana*)  
Shortspike Bluestem (*Andropogon brachystachyus*)  
Wiregrass (*Aristida spp*)  
Coastal Plain Chaffhead (*Carphephorus corymbosus*)  
Toothachegrass (*Ctenium aromaticum*)  
Tall Elephantsfoot (*Elephantopus spp.*)  
Pinebarren Goldenrod (*Solidago fistulosa*)  
Garber's Blazing Star (*Liatris garberi*)  
Narrowleaf Silkggrass (*Pityopsis graminifolia*)  
Yelloweyed Grass (*Xyris spp*)

All exposed soils should be temporally treated with an annual grass or plant that will germinate quickly for immediate stabilization. During the winter months, annual grains (rye, oats, or wheat) and/or annual rye grass should be planted. In summer, sorghum or brown top millet should be planted. Rates of planting for temporary stabilization should be at about 5-10 lbs/acre. Native St. Augustine can also be sprigged or sodded along streamsides for critical stabilization. Additionally, mycorrhizae should be added to soil for revegetation success.

### Woody Plant Material:

Permanent tree and shrubs should be planted upon completion of each project. Plant materials can be constructed as fascines, live stakes and/or whole live trees/shrubs. Planting should occur along all exposed streambanks and floodplain areas. The following plants are recommended for various planting methods.

#### *Fascines Plants*

The following plants are recommended to construct live fascines. All fascines should be harvested during the winter/dormant months and planted along the streambank where ground water will be exposed to bark. Fascines should range between 4' to 6' long and planted parallel to the bank at 2 foot spacing.

Buttonbush (*Cephalanthus occidentalis*)

Swamp dogwood (*Cornus foemina*)

Silky dogwood (*C. amomum*)

Sandbar willow (*Salix exigua*)

Black willow (*Salix nigra*)

#### *Live stakes*

The following plants are recommended to make live stakes. All live stakes should be harvested during the winter/dormant months and planted along the streambank where ground water will be exposed to bark. Live stakes should range between 12" to 48" long and planted at a spacing of 2 feet (Figures 1 and 2).

River birch (*Betula nigra*)

Buttonbush (*Cephalanthus occidentalis*)

Swamp dogwood (*Cornus foemina*)

Silky dogwood (*C. amomum*)

Tulip (yellow) polar (*Liriodendron tulipifera*)

Sycamore (*Platanus occidentalis*)

Carolina willow (*Salix caroliniana*)

Sandbar willow (*Salix exigua*)

Black willow (*Salix nigra*)

Elderberry (*Sambucus Canadensis*)

#### *Shrubs*

The following shrubs are recommended for planting. All shrub materials should be planted during the winter/dormant months and planted along the streambank and throughout the floodplain areas. Shrubs should be planted at a spacing rate of 18" to 36".

River locust [Indigo-Bush] (*Amorpha fruticosa*)

Wax myrtle (*Myrica cerifera*)

Sweet pepper bush (*Clethra alnifolia*)

Hazel alder (*Alnus rugosa* [*syn. Alnus serrulata*])

Swamp dogwood (*Cornus foemina*)

Silky dogwood (*C. amomum*)

Buttonbush (*Cephalanthus occidentalis*)

Carolina willow (*Salix caroliniana*)

Virginia willow (*Itea virginica*)

Titi (*Cyrellea racemiflora*)

Southern bayberry or Wax myrtle (*Myrica cerifera*)

### Riparian Trees

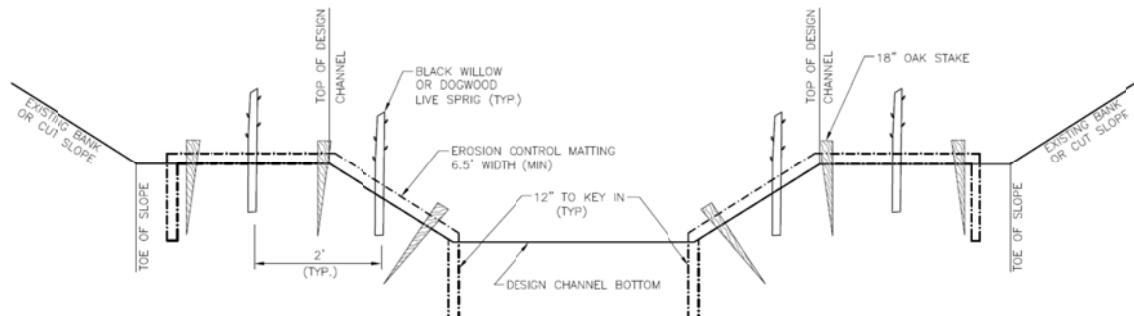
The following trees are recommended for planting. All trees should be planted during the winter/dormant months and planted along streambank and throughout the floodplain areas. Trees should be planted at a spacing rate of 12' to 16'.

Baldcypress (*Taxodium distichum*)  
Green ash (*Fraxinus pennsylvanica*)  
Swamp laurel oak (*Quercus laurifolia*)  
Overcup oak (*Quercus lyrata*)  
Swamp chestnut oak (*Quercus michauxii*)  
Water oak (*Quercus nigra*)  
Tulip (yellow) polar (*Liriodendron tulipifera*)  
American sycamore (*Platanus occidentalis*)  
Water tupelo (*Nyssa aquatica*)  
Blackgum (*Nyssa sylvatica*)  
Ogeechee tupelo (*Nyssa ogeche*)  
Needle palm (*Sabal palmetto*)  
Dogwood tree (*Cornus florida*)  
American beech (*Fagus grandifolia*)  
Red maple (*Acer rubra*)  
River birch (*Betula nigra*)  
Atlantic white cedar (*Chamaecyparis thyoides*)  
Sweet bay (*Magnolia virginiana*)

### Erosion Control Fabric:

Coir fiber blankets should be placed on all exposed streambank soils and anchored with either live or wooden (minimum length 18") stakes every 4 feet (Figures 1 and 2).

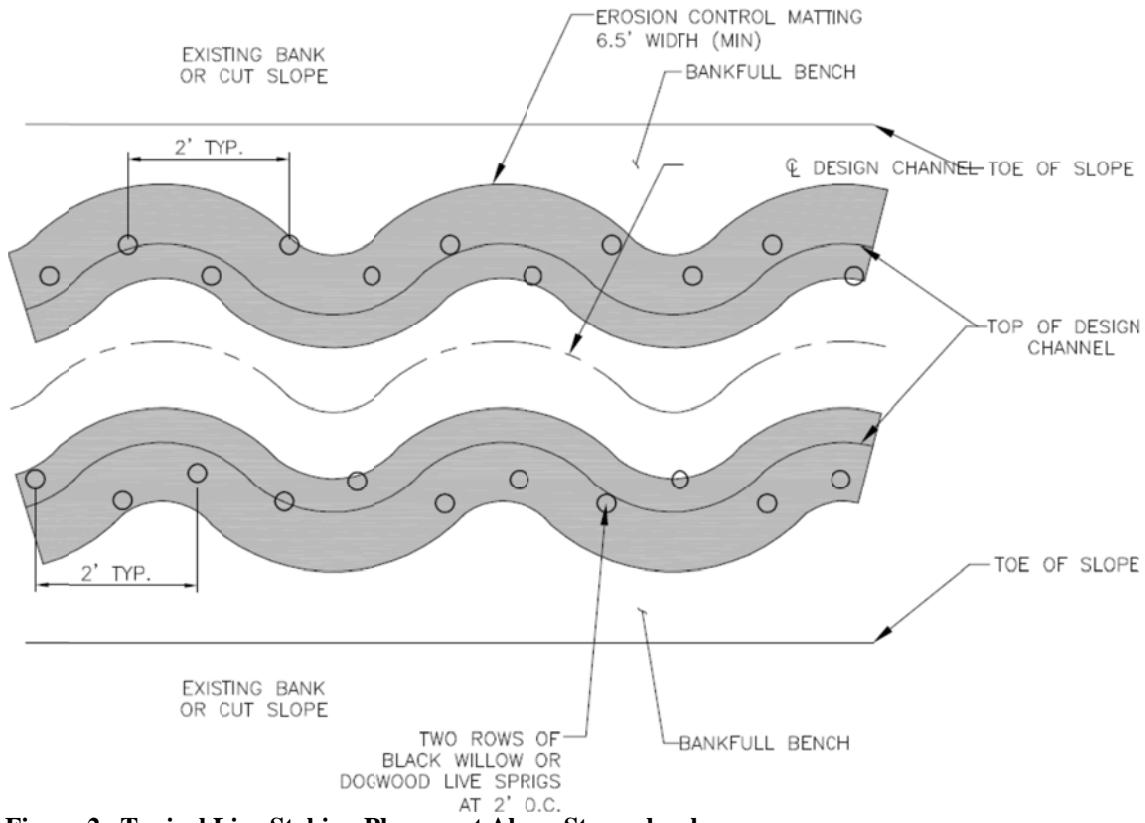
Blankets should be woven with a minimum weight of 700 grams/square meter. Along exposed upper slopes and floodplain areas, blown hay and wooden fiber blanket (i.e., excelsior) should be installed and securely fastened with either wooden stakes or metal staples.



**Figure 1. Typical Erosion Control Fabric Type and Placement Along Streambank with Live Staking Placement.**

NOTES:

1. STAKE TO HAVE TAPERED POINT 18" – 1" X 1" OAK OR EQUIVALENT. TAPERED 24' STAKES SHOULD BE USED IN HIGH SHEAR STRESS LOCATIONS (TO BE DETERMINED BY SITE ENGINEER).
2. EROSION CONTROL MATTING TO BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS FOR LENGTH OF DESIGN CHANNEL. MATTING IS TO BE GEOCOIR/DeKoWe 700g/m<sup>2</sup>. CONTRACTOR RESPONSIBLE FOR COORDINATING WITH MANUFACTURER.
3. BEGIN MATTING INSTALLATION AT DESIGN CHANNEL BOTTOM AND INSTALL ONE WIDTH OF MATTING (6.5' MIN) FOR LENGTH OF PROJECT.
4. BLACK WILLOW, DOGWOOD OR EQUIVALENT LIVE SPRIGS TO BE PLANTED AT 2' OC FOR LENGTH OF DESIGN CHANNEL. SPRIGS TO BE 2'-4' IN LENGTH, NO MORE THAN 2' IN DIAMETER.



**Figure 2. Typical Live Staking Placement Along Streambank.**